Possible References

22/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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Blu-ray disk-read only memory for use with player, records copy protection-related information and copy protection-related information recording/ non-recording identification information, as wobbled pre-pit type

Patent Assignee: KIM J Y (KIMJ-I); LG ELECTRONICS INC (GLDS); SUH S W (SUHS-I) Inventor; KIM J; KIM J Y; SEO S U; SUH S; SUH S W

		Patent Fam	rily (9 patents, 108 co	untries	s)		
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Туре
WO 2004075193	A1	20040902	WO 2004KR338	Α	20040219	200461	В
US 20040223427	A1	20041111	US 2003447706	Р	20030219	200475	E
			US 2004780756	Α	20040219		
KR 2004074583	А	20040825	KR 200373800	Α	20031022	200501	E
EP 1597730	A1	20051123	EP 2004712781	Α	20040219	200577	E
			WO 2004KR338	Α	20040219		
TW 200423050	Α	20041101	TW 2004104152	Α	20040219	200612	E
CN 1764969	Α	20060426	CN 200480007952	Α	20040219	200654	E
JP 2006518529	W	20060810	WO 2004KR338	Α	20040219	200654	E
			JP 2006502712	Α	20040219		
US 7574003	B2	20090811	US 2004780756	Α	20040219	200953	NCE
CN 1764969	В	20101124	CN 200480007952	Α	20040219	201108	E

Abstract:

NOVELTY - The blu-ray disk-read only memory (BD-ROM) has a permanent information and control data (PIC) zone in which copy protection-related information (CPI) and identification information (CPI f lag) indicating recording/non-recording of the copy protection-related information are recorded as a wobbled pre-pit type.... blu-ray disk-read only memory forming apparatus; blu-ray disk-read only memory reproducing apparatus; and blu-ray disk-read only memory reproduction method...... USE - Blu-ray disk-read only memory (BD-ROM) for use with recorder, player ADVANTAGE -Protects blu-ray disk-read only memory from illegal copy effectively, and performs easy distinction between legal and illegal blu-ray disk-read only memory... ... Disclosed herein are a recording medium, an apparatus for forming the recording medium, and an apparatus and method for reproducing the recording medium. CPI (Copy Protection-related Information), identification information (CPI..... BD-ROM formatter includes a copy protection control chip (CPCC). Inputted to the CPCC of the BD-ROM formatter is a contents authoring code file provided by the contents provider, which contains control data, such as CPI and a CPI flag, and main data such as an A/V stream. The BD-ROM formatter separates the control data and main data from the inputted contents authoring code file through the CPCC and formats the separated control data and main data such that they are suitable to a BD-ROM standard. Thereafter, the mastering machine makes a masscopyable master using the output of the BD-ROM formatter inputted thereto For legal disc making, a legal contents authoring code file containing control data, such as legal CPI and a legal CPI flag, and main data is applied to the BD-ROM formatter. For example, here a disc to be legally made is of a copy protected mode type. legal contents authoring code file containing CPI and 'CPI Flag= 1' is inputted to the BD-ROM formatter. Alternatively, where a disc to be legally made is of a copy free mode type, a legal contents authoring code file containing no CPI and only 'CPI Flag= 0' is inputted to the BD-ROM formatter. The BD-ROM formatter formats the legal control data and main data separated through the CPCC such that they are suitable to the BD-ROM standard, and the mastering machine makes a master. However, in the case where the illegal disc

copying is attempted, only a data stream, or main data, illegally stored in the storage medium is inputted to the BD-ROM formatter, or an illegal contents authoring code file containing the main data and illegal control data is inputted to the BD-ROM formatter. In this case, the BD-ROM formatter formats wrong control data containing a CPI flag fixed at 'CPI_Flag=1' and wrong CPI on CPI, and the main data..... the optical disc, and compulsorily stops a data playback operation upon judging that the disc has been illegally copied. Therefore, it is possible to effectively protect an optical disc from illegal copying, make an accurate and easy distinction between a legally made optical disc, and an illegally made optical disc, and.....

Claims:

1. A recording medium, comprising:a specific area in which copy protection-related information and identification information indicative of recording or non-recording of the copy protection-related information are recorded as a wobbled pre-pit type..... The invention claimed is: 1. A computer readable recording medium for use in an apparatus for reproducing data stored in the computer readable recording medium (comprising: a specific area in which copy protection-related information information indicative of recording or non-recording of the copy protection-related information are recorded as a wobbled pre-pit type, the copy protection-related information are recorded as a wobbled pre-pit type, the copy protection-related information are recorded as a wobbled pre-pit process.

28/3,K/9 (Item 9 from file: 350) DIALOG(R) File 350: Derwent WPIX (c) 2011 Thomson Reuters, All rights reserved.

Files protection method e.g. for optical writable disk - having storage layer which is capable of being disrupted when laser beam of sufficient intensity is focused with disk having transparent substrate layer on one side of storage layer and lacquer layer on other side Patent Assiones: EASTMAN KODAK CO (EAST)

Inventor: BROWNSTEIN S A; CUSHMAN T R; KLINE P J; LENTZ J P

		Patent F	amily (1 pate	nts, 1 cou	ntries)	
Patent Number	Kind	Date	Application	Number	Kind	Date	Update Type
US 5706266	Α	19980106	5 US 1991810	976	Α	19911220	199808 B
			US 1992999	626	Α	19921231	
			US 1995432	445	Α	19950501	

Abetract

The method involves physically embedding an identification signal group in a writable optical disk. A second identification signal group is stored in a file written on the writable optical disk. On initiation of interaction between an interaction system and the writable optical disk, a representation of the two identification signal groups is transferred to a signal processing unit of the interaction system. The two identification signals group representation in the signal processing unit and continuing interaction are compared between the interaction system and the writable optical disk only when the comparison between the two identification signal group representations is positive......A transferred file is decoded prior to processing by the processing unit. Where the interaction system has a third identification signal group associated with it, the method involves transferring a representation of the third identification signal group to the signal processing unit of the interaction system. The third and first identification signal group representations are compared in the signal processing unit. Continuing interaction between the interaction system and the writable optical disk only when the comparison between the first and third identification signal group representations is positive... disruptions provided by the laser beam are selected to provide human readable and/or machine readable patterns. To reduce the damage to portions of the optical disk other than the storage layer, the storage layer is exposed to the laser beam prior to curing, or prior to applying and curing the lacquer layer. The optical disk can be of the type with data written thereon during fabrication, or the disk can be of the type in which data can be impressed thereon after fabrication of the optical disk. The patterns on the optical disk can be in the form of optical bar codes. In one application of the present invention involving the type of disk on which data can be written after fabrication...

Claims:

A method of protecting files stored on an optical writable disk, said method comprising the steps of:physically embedding a first identification signal group in a writable optical disk; storing a second identification signal group in a file written on said writable optical disk; on initiation of interaction between an interaction system and said writable optical disk; transferring a representation of said first and said second identification signal group to a signal processing unit of said interaction system; comparing said first and said second identification signal group representation in said signal processing..... wherein said interaction system has a third identification signal group associated therewith, said method further comprising the steps of transferring a representation of said third identification signal group to the signal processing unit of said interaction system and comparing said third and first identification signal group representations is processing unit and continuing interaction between said interaction system and said writable optical disk only when said comparison between said first and third identification signal group representations is positive.Basic observed these said first and third identification signal group representations is positive.Basic observed these said first and third identification signal group representations is positive.Basic observed these said first and third identification signal group representations is positive.Basic observed these said first and third identification signal group representations is positive.Basic observed these said first and third identification signal group representations is positive.Basic observed these said first and third identification signal group representations is positive.Basic observed these said first and third identification signal group representations is positive.Basic observed these said first and third identification signal group representations is positive.Basic observed these said such states are said such said such said suc

17/3,K/3 (Item 3 from file: 350) DIALOG(R) File 350: Derwent WPIX (c) 2011 Thomson Reuters, All rights reserved.

Cryptographic system for secure key distribution and management for DVD copy protection Patent Assignee: INTEL CORP (ITLC)

Inventor: AUCSMITH D W

		Patent Fa	amily	(1 paten	ts, 1 cou	ntries)		
Patent Numb	er Kind	Date	App	lication	Number	Kind	Date	Update	Type
US 5915018	Α	19990622	US 1	9967409	76	Α	19961105	199936	В

Abstract:

NOVELTY - A portion of a digital video disc (DVD) is encoded with digital content encrypted under a content key which is encrypted under a public key and written out of band on another portion of the disc. An information handling system (206) is accessed by the player who receives the disc. ... USE - For secure key distribution and management for DVD copy protection ADVANTAGE - The received compressed and encrypted data is decompressed and decrypted without exposing decrypted data or the cryptographic keys, as a result of which the DVD copy protection is not compromised...... DESCRIPTION OF DRAWINGS - The figure shows the block diagram of cryptographic system where access to the DVD content is secure... A cryptographic system and method for secure distribution and management of cryptographic keys for use in a DVD copy protection scheme is disclosed. A DVD disc having compressed, encrypted content written on a first portion of the disc, and the content encryption key, itself encrypted with a second key and written out of band on a second portion of the disc is used to provide content, key, and control information to a DVD drive according to the present invention. The DVD drive is coupled to a decompressor and a video controller. The video controller and DVD drive engage in a handshaking protocol in which all of the communication between them is encrypted. After verifying that the video controller is registered and not known to be compromised, the DVD drive passes the content key and control information to the video controller, and the compressed, encrypted content to the decompressor. The content decompressed by the decompressor is communicated to the video controller where it... ...

Claims

secure distribution of digital content, comprising: a) a machine readable medium, a first portion of which is encoded with digital content encrypted under a content key, and a second portion of which is encoded out of band with a content key encrypted under a public key;b) a player operable to receive the machine readable medium and read the contents thereof;c) an information handling system coupled to the player; and() a video controller... Basic Derwent Week; 199936 17/3,K/4 (Item 4 from file: 350) DIALOG(R)File 350: Derwent WPIX (c) 2011 Thomson Reuters. All rights reserved.

Information recording medium e.g. CD-ROM etc. - has key information recorded in lead-in region, and used for descrambling of data stored in data recording region Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: FUKUSHIMA Y; ITO M; ITOU M; MATSUZAKI N; TATEBAYASHI M; UEDA H

		·····	nily (11 patents, 19 co	,	· 2		
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Туре
WO 1997014147	A1	19970417	WO 1996JP2901	Α	19961004	199721	В
EP 802535	Αı	19971022	EP 1996932824	Α	19961004	199747	E
	L	L	WO 1996JP2901	Α	19961004		
JP 9514906	X	19971222	WO 1996JP2901	Α	19961004	199810	E
			JP 1997514906	Α	19961004		
US 6289102	В1	20010911	WO 1996JP2901	Α	19961004	200154	E
			US 1997849785	Α	19971001		
JP 2004319085	Α	20041111	JP 1997514906	Α	19961004	200474	E
			JP 2004154000	Α	20040524		
EP 802535	В1	20050615	EP 1996932824	Α	19961004	200544	Έ
		1	WO 1996JP2901	Α	19961004		
			EP 200426324	Α	20041105		
DE 69634850	E	20050721	DE 69634850	Α	19961004	200548	E
			EP 1996932824	Α	19961004		
			WO 1996JP2901	Α	19961004		
DE 69634850	T2	20060518	DE 69634850	Α	19961004	200637	E
			EP 1996932824	Α	19961004		
			WO 1996JP2901	Α	19961004		
JP 2006179172	Α	20060706	JP 2004154000	Α	19961004	200644	E
***************************************			JP 20062786	Α	20060110		
JP 3792236	B2	20060705	JP 1997514906	Α	19961004	200644	E
			JP 2004154000	A	20040524		
JP 2006345555	Α	20061221	JP 20062786	Α	19961004	200703	E
			JP 2006198385	Α	20060720		*****

Abstract:

The information recording medium has a lead- in region and a data recording region. Key information is recorded in the lead-in region, and scrambled data are recorded in the data recording region. Descrambling is performed based in the key information. Brist key information may be recorded in the lead-in region, and second key information in the data recording region, and second hey information to allow descrambling.....The data recording region is divided into several sectors, each with an sector header for identification, and a main data region. The second key information is recorded in the sector header... An information recording medium includes a lead-in area and a data recording area. Key information is recorded in the lead-in area. Scrambled data is recorded in the data recording area. The scrambled data is descrambled based on the key information.....

Claims:

1. An information recording medium comprising a lead-in area and a data recording area, wherein key information is recorded in the lead-in area, scrambled data is recorded in the the data recording area, and the scrambled data is descrambled based on the key information..... An information recording disk medium comprising a lead-in area and a data recording area, wherein the lead-in area is not accessible by devices other than a disk reproducing device, first key information is recorded in the lead-in area, scrambled data is recorded in the data recording area and, the scrambled data is descrambled atta is descrambled morprising a lead-in area not accessible by devices other than a disk reproducing device and a data recording area, whereinkey information is recorded in the lead-in area, scrambled data is recorded in the lead-in area, scrambled data is recorded in the lead-in area, scrambled data is recorded in the Basic Derwent Week: 199721

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c) 2011 JPO & JAPI O
File 350: Der went WPLX 1963-2011/ UD=201122
            (c) 2011 Thomson Reuters
Set
S1
                      Description
         614723
                      (RECORDING? OR RECORDABLE? OR WRITABLE? OR REWRITABLE?) (1N-
                  )(MÈDIA? OR MEDIUM?) OR CD OR CDS OR CDROM? OR DVD OR DVDS OR
                 M N DI S? OH BLU() (BAY?? OH BLURAY?? OH (OMPACT? OH DI GI TAL-
() VERSATI LE? OH M N I OH OPTI CAL) () (DI SC? OH DI SK??)
AFEA?? OH REGION?? OH SECTI ON?? OH SECTOR?? OH BLOCK??
S2
        9376157
                   OR ZONE? ? OR PORTLON? ? OR TRACK? ?
S3
         394715
                      S2(3N)(RECORD??? OR WRIT??? OR STOR??? OR SAV??? OR ARCHI V-
                  S3(5N)(PLURAL??? OR MULTI OR MULTIPLE OR MULTIPLICITY OR M-
ULTITUD? OR MORE(1N)ONE OR MANY OR SEVERAL? OR NUMEROUS? OR V-
S4
           79717
                  ARIOUS? OR SET OR SETS OR SERIES? OR COLLECTION? ? OR GROUP??-
?? OR ARRAY? ? OR TWO OR SECOND??? OR DUAL)
            6803
                      S1 (15N) S4
S6
         973425
                      CODE OR CODES OR KEY OR KEYS OR SIGNATURE? ?
                      S6(2N)(AUTHOR?? OR AUTHORING?? OR CREATOR?? OR STUDIO??
            2391
                  OR WHITER? ? OR PRODUCER? ? OR DISTRIBUTOR? ? OR (COPYRIGHT? OR IGHTS) () HOLDER? ? OR OWNER? ?) OR ASC STIBUTOR? ? OR ENCYPHER? OR SECURITY OF STANDERS OR ENCYPHER? OR SECURITY OF STANDERS? OR OR ENCYPHER? OR SECURITY OF STANDERS?
S8
        2028122
                      S2(5N)(SECOND??? OR 2ND OR ONE OR OTHER OR ANOTHER? OR DIF-
S9
                  FER? OR SEPARAT? OR DISTINCT? OR DISCRETE? OR LEAD() IN OR STA-
RT??? OR TABLE(1W) CONTENT? ? OR TOO)
                      S8(15N)S9
S10
                  S2(5N)(FIRST??? OR 1ST OR MAIN OR PRIMAR? OR DATA OR CONTE-
NT? OR RECORD???? OR WRIT????)
        1507400
S11
                      S7(5N) (DECRYPT? OR DECOD? OR DECIPHER? OR DECYPHER? OR UNS-
S12
                  CRAWEL? OF UNENCRYPT? OR UNENCO? OR UNENCIPHER? OR UNENCYPHE. R
OR (NON OR "NOT" OR T OR WITHOUT OR NO (11W (ENCRYPT?) OR EN-
COO? OR ENO! PHER? OR ENCYPHER? OR SECUR? OR SCRAWBL?)
S13
                      S11(15N)S12
S14
                      S8(15N)S12(15N)(MATCH??? OR CORRESPOND? OR CORRELAT? OR RE-
                  LAT? OR SAME OR IDENTICAL? OR EQUAL? OR EQUIVALEN? OR COMPAR?
                  OR ASSOCIAT?)
S15
                      S5 AND (S10 AND S13) OR S14
                      (S15 AND PY=1963; 2003) OR (S15 AND AY=1963; 2003 AND AC=US)
S16
                6
S17
                6
                      DPAT S16 (sorted in duplicate/non-duplicate order)
           49260
S18
                      S1 (7N) S2
                      S18 AND S7
S19
               13
                      S19 NOT S15
S20
               13
S21
                       S20 AND PY=1963: 2003) OR (S20 AND AY=1963: 2003 AND AC=US)
S22
               10
                      DPAT S21 (sorted in duplicate/non-duplicate order)
                      S7(10N)(MATCH??? OR CORRESPOND? OR CORRELAT? OR RELAT? OR -
S23
              430
                  SAVE OR IDENTICAL? OR EQUAL? OR EQUIVALEN? OR COMPAR? OR ASSO-
                  CLAT?)
S24
                Ω
                      S23 AND (S5 OR S18)
S23 AND S1
S25
               22
S26
               22
                      S25 NOT (S15 OR S19)
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(S26 AND PY=1963: 2003) OR (S26 AND AY=1963: 2003 AND AC=US)

IDPAT S27 (sorted in duplicate/non-duplicate order)

File 347: JAPIO Dec 1976-2010/ Dec (Updated 110323)

S27 S28

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File 348: EUROPEAN PATENTS 1978-201113
(c) 2011 European Patent Office
File 349: PCT FULLTEXT 1979-2011/UB=20110331| UT=20110324
           (c) 2011 W PO Thomson
Set
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                 M N DI SC? OH BLU() FAY?? OF BLURAY? ? OR (OMPACT? OR DIG TAL-
() VERSATI LE? OR M N I OR OPTI CAL) () (DI SC? ? OR DI SK? ?)
AFEA? ? OR, REG ON? ? OR SECTION? ? OR SECTOR? ? OR BLOCK? ?
S2
        2672151
                  OR ZONE? ? OR PORTLON? ? OR TRACK? ?
         208343
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S3
                 S4
          54432
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            5479
                     S1 (15N) S4
S6
         700700
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                     S6(2N)(AUTHOR?? OR AUTHORING?? OR CREATOR?? OR STUDIO??
           8163
                 OR IN TER? ? CR PRODUCER? ? OR DISTRIBUTIOR? ? CR (COPYRIGHT?)
OR RIGHTS () HOLDER? ? OR OWNER? ?) OR ASC
3 S7(5N) (ENCRYPT? OR ENCOPY OR ENCYPHER? OR ENCYPHER? OR SEC-
UR? OR SCRAMBL? OR CRYPTOGRAPH?)
S8
        1467712
                     S2(5N) (SECOND??? OR 2ND OR ONE OR OTHER OR ANOTHER? OR DIF-
S9
                 FER? OR SEPARAT? OR DISTINCT? OR DISCRETE? OR LEAD() IN OR STA-
RT??? OR TABLE(1W/CONTENT? ? OR TOO)
              40
                     S8(20N) S9
S10
                     S2(5N)(FIRST??? OR 1ST OR MAIN OR PRIMAR? OR DATA OR CONTE-
S11
                 NT? OR RECORD???? OR WRI T????)
S12
             196
                     S7(5N) (DECRYPT? OR DECOD? OR DECIPHER? OR DECYPHER? OR UNS-
                 CRAWEL? OF UNENCRYPT? OR UNENCO? OR UNENCIPHER? OR UNENCYPHE. R
OR (NON OR "NOT" OR T OR WITHOUT OR NO (11W (ENCRYPT?) OR EN-
COO? OR ENO! PHER? OR ENCYPHER? OR SECUR? OR SCRAWBL?)
              17
S13
                     S11(20N) S12
S14
                     S8(15N) S12(15N) (MATCH??? OR CORRESPOND? OR CORRELAT? OR RE-
              28
                 LAT? OR SAME OR I DENTI CAL? OR EQUAL? OR EQUI VALEN? OR COMPAR?
                 OR ASSOCI AT?)
S15
               0
                     S5(100N)((S10(100N)S13) OR S14)
S16
          37863
                     $1 (7N) $2
S17
              41
                     S16(100N) S7
S18
              31
                      S17 AND PY=1978: 2003) CR (S17 AND AY=1978: 2003 AND AC=US)
S19
                     IDPAT S18 (sorted in duplicate/non-duplicate order)
S7(10N)(MATCH??? OR CORRESPOND? OR CORRELAT? OR RELAT? OR -
              31
S20
            1315
                 SAME OR I DENTI CAL? OR EQUAL? OR EQUI VALEN? OR COMPAR? OR ASSO-
                 CI AT?)
S21
              20
                     S20(100N)(S5 OR S16)
              56
S22
                     S20(100N) S1
S23
              36
                     S21: S22 NOT S17
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(S23 AND PY=1978: 2003) OR (S23 AND AY=1978: 2003 AND AC=US)

IDPAT S24 (sorted in duplicate/non-duplicate order)

S24

S25

19

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35: Dissertation Abs Online 1861-2011/Mar
Fi Le
           (c) 2011 ProQuest Info&Learning
       65: Insi de Conferences 1993-2011/ Apr 05
File
            c) 2011 BLDSC all rts. reserv.
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        2: I NSPEC 1898-2011/ Mar W4
           (c) 2011 The LET
        6: NTI S 1964-2011/ Apr WI
File
           (c) 2011 NTIS, Intl Coyrght All Rights Res
Pascal 1973-2011/Mar W4
File 144: Pascal 1973-2011/Mar
           (c) 2011 INIST/CNRS
File 434: Sci Search(R) Oited Ref Sci 1974-1989/Dec
           (c) 2006 The Thomson Corp
       34: Sci Search(R) Cited Ref Sci 1990-2011/Mar W4
(c) 2011 The Thomson Corp
99: Wilson Appl. Sci & Tech Abs 1983-2011/Feb
File
File
           (c) 2011 The HW Wilson Co.
File 266: FEDRIP 2011/Jan
       Orm & dist by NTIS, Intl Copyright All Fights Res
95:TEME-Technology & Management 1989-2010/Oct W8
(c) 2010 FIZ TECHNIK
File
       56: Computer and Information Systems Abstracts 1966-2011/Mar
File
           (c) 2011 CSA.
File
       60: ANTE: Abstracts in New Tech & Engineer 1966-2011/Mar
           (c) 2011 CSA.
File 438: Library Lit. & Info. Science 1984-2011/Feb
          (c) 2011 The HWWIson Co
Set
         It ems
                   Description
S1
                   (RECORDING? OR RECORDABLE? OR WRITABLE? OR REWRITABLE?) (1N-
       1042430
               ) (MEDIA? OR MEDIUM?) OR CD OR ODS OR ODROW OR DVD OR DVDS OR
MINIDISC? OR BLU() RAY?? OR BLURAY?? OR (COMPACT? OR DIG TAL-
() VERSATILE? OR MINIOR OF CTICAL() () (DISC?? OR DISK??)
AREA? !? OR REGION?? OR SECTION?? OR SECTOR?? OR BLOCK??
S2
      12641123
                 OR ZONE? ? OR PORTLON? ? OR TRACK? ?
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S3
        130415
               222
S4
         14062
                   $3(5N)(PLURAL??? OR MULTI OR MULTIPLE OR MULTIPLICITY OR M-
                ULTITUD? OR MORE(1N) ONE OR MANY OR SEVERAL? OR NUMEROUS? OR V-
               ARIOUS? OR SET OR SETS OR SERIES? OR COLLECTION? ? OR CHOUP??-
               ?? OR ARRAY? ? OR TWO OR SECOND??? OR DUAL)
            738
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S6
       3012583
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                   S6(2N)(AUTHOR?? CR AUTHORING?? CR CREATOR?? CR STUDIO??
S7
         30260
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                   S7(5N) (ENCRYPT? OR ENCOD? OR ENCIPHER? OR ENCYPHER? OR SEC-
S8
            566
               UR? OR SCRAMBL? OR CRYPTOGRAPH?)
                   S2(5N) (SECOND??? OR 2ND OR ONE OR OTHER OR ANOTHER? OR DIF-
S9
       1437311
                FER? OR SEPARAT? OR DISTINCT? OR DISCRETE? OR LEAD() IN OR STA-
               RT??? OR TABLE(1W/CONTENT? ? OR TOO)
S10
                   S8(20N)S9
                   S2(5N)(FIRST??? OR 1ST OR MAIN OR PRIMAR? OR DATA OR CONTE-
S11
        845295
                NT? OR RECORD???? OR WRIT????
S12
                   S7(5N)(DECRYPT? OR DECOD? OR DECLYPHER? OR DECYPHER? OR UNS-
               CRAVBL? OR UNENCRYPT? OR UNENCOO? OR UNENCI PHER? OR UNENCYPHE-
               B? OR (NON OR "NOT" OR T OR WITHOUT OR NO (1W) (ENCRYPT? OR EN-
               CCD? OR ENCIPHER? OR ENCYPHER? OR SECUR? OR SCRAMBL?))
S13
                   S11(20N) S12
                   S8(15N)S12(15N)(MATCH??? OR CORRESPOND? OR CORRELAT? OR RE-
S14
               LAT? OR SAME OR I DENTI CAL? OR EQUAL? OR EQUI VALEN? OR COMPAR?
               OR ASSOCIAT?
S15
                   S5 AND (S10 OR S12)
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8: El Compendex (R) 1884-2011/Apr WI (c) 2011 El sevi er Eng. Info. Inc.

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26179
S16
                          S1 (7N) S2
S16 AND S7
S17
S18
                     7 S7(10N)(MATCH??? OR CORRESPOND? OR CORRELAT? OR RELAT? OR -
SAME OR IDENTICAL? OR EQUAL? OR EQUIVALEN? OR COMPAR? OR ASSO-
               2647
                     CLAT?)
S19
                    0
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S18 AND S1
S20
                  32
S21
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                           S10 OR S12 OR S17 OR S20
                 77
S22
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                          S21 NOT PYSCUOS
S7 AND (OCPY??? OR OCPLE? ? OR REPRODUC? OR DUPLICAT?)
S24 AND S1
S25 NOT S21
S26 NOT PYSCUOS
S26 NOT PYSCUOS
S27 NOT PYSCUOS
S28 NOT PYSCUOS
S23
                  64
S24
                 515
S25
                  12
S26
                   9
S27
S28
                   6
                           RD S27 (unique items)
```

Patent Search Results

17/3,K/1 (Item 1 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Method for providing access to information on data server of electronic business card system, involves encrypting information to be sent to data user by server, on determining that server has permission to transfer information

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: RICHARDS PJ: TREVATHAN M B

		Patent Fa	mily (2 patents, 1 cou	ntries)	
Patent Number	Kind	Date	Application Number	Kind	Date	Update Type
US 20070022302	A1	20070125	US 200282693	Α	20020222	200730 B
			US 2006358812	Α	20060221	
			US 2006528228	Α	20060926	
US 7698746	B2	20100413	US 200282693	A	20020222	201027 E
			US 2006358812	Α	20060221	
			US 2006528228	Α	20060926	

Claims:

if the step of comparing the check word and the data user public key indicates that the check word and the data user public key match, recording permission to transfer the information in an access list; encrypting the data owner public key, by the data user, using the data user private key, to provide an encrypted data owner public key, sending, from the data user to the data server, the encrypted data owner public key and a request to transfer the information to the data user; decrypting the encrypted data owner public key using the data user public key, to provide a second check word, comparing the second check word and the data owner public key; if the step of comparing the second check word and the data owner public key match, checking the.......... Basic Derwent Week: 200730...

17/3,K/2 (Item 2 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Secure information access provision method for electronic business card system, involves permitting transfer of information in access list, if user public key and check number matches respectively with check word and preset sequence number

Patent Assignee: RICHARDS P J (RICH-I); TREVATHAN M B (TREV-I); INT BUSINESS MACHINES CORP (IBMC)

Inventor: RICHARDS PJ: TREVATHAN M B

		Patent Fa	mily (2 patents, 1 cou	ntries)		
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20060143468	A1	20060629	US 200282693	Α	20020222	200652	В
			US 2006358812	Α	20060221		
US 7203839	B2	20070410	US 200282693	Α	20020222	200726	E
			US 2006358812	Α	20060221		

Claims:

the data server, the encrypted combination and a command that gives the data server permission to transfer the information to the data user; decrypting the encrypted combination, using the data

owner public key, to provide a decrypted combination; parsing the decrypted combination to provide a check word and a check number; comparing the check word and the data user public key; comparing the check word and the data user public key indicates that the and further if the step of comparing the check word and the data user public key indicates that the and further if the step of comparing the check number and an expected sequence number indicates that the check number and the expected sequence number match, recording permission to transfer the information in an access itsist, encrypting the data owner public key, by the data user, using the data user private key, to provide an encrypted data owner public key; sending, from the data user to the data user; decrypting the encrypted data owner public key, using the data user public key, to provide a second check word; comparing the second check mord; comparing the second check word and the data owner public key; if the step of comparing the second check word and the data owner public key match, checking the... Basic Derwent Week; 200652

17/3,K/3 (Item 3 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Cryptographic system for secure key distribution and management for DVD copy protection Patent Assignee: INTEL CORP (ITLC)

Inventor: AUCSMITH D W

		Patent Fa	mily (1 pate	nts, 1 cour	ntries)	
Patent Number	Kind	Date	Application	Number	Kind	Date	Update Type
US 5915018	Α	19990622	US 1996740	976	Α	19961105	199936 B

Abetract

NOVELTY - A portion of a digital video disc (DVD) is encoded with digital content encrypted under a content key which is encrypted under a public key and written out of band on another portion of the disc. An information handling system (206) is accessed by the player who receives the disc. ... USE - For secure key distribution and management for DVD copy protection....... ADVANTAGE - The received compressed and encrypted data is decompressed and decrypted without exposing decrypted data or the cryptographic keys, as a result of which the DVD copy protection is not compromised DESCRIPTION OF DRAWINGS - The figure shows the block diagram of cryptographic system where access to the DVD content is secure... A cryptographic system and method for secure distribution and management of cryptographic keys for use in a DVD copy protection scheme is disclosed. A DVD disc having compressed, encrypted content written on a first portion of the disc, and the content encryption key, itself encrypted with a second key and written out of band on a second portion of the disc is used to provide content, key, and control information to a DVD drive according to the present invention. The DVD drive is coupled to a decompressor and a video controller. The video controller and DVD drive engage in a handshaking protocol in which all of the communication between them is encrypted. After verifying that the video controller is registered and not known to be compromised, the DVD drive passes the content key and control information to the video controller, and the compressed, encrypted content to the decompressor. The content decompressed by the decompressor is communicated to the video controller where it... ...

Claims

secure distribution of digital content, comprising: a) a machine readable medium, a first portion of which is encoded with digital content encrypted under a content key, and a second portion of which is encoded out of band with a content key encrypted under a public key; b) a player operable to receive the machine readable medium and read the contents thereof; o) an information handling system coupled to the player; and() a video controller. Basic Derwent Week: 199936

^{17/3,}K/4 (Item 4 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Information recording medium e.g. CD-ROM etc. - has key information recorded in lead-in region, and used for descrambling of data stored in data recording region Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: FUKUSHIMA Y; ITO M; ITOU M; MATSUZAKI N; TATEBAYASHI M; UEDA H

	Patent	Family (11	patents,	19	countries)	
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Patent Number	Kind	Date	Application Number	Kind	Date	Update	Туре
WO 1997014147	A1	19970417	WO 1996JP2901	Α	19961004	199721	В
EP 802535	A1	19971022	EP 1996932824	А	19961004	199747	E
			WO 1996JP2901	Α	19961004		
JP 9514906	X	19971222	WO 1996JP2901	Α	19961004	199810	E
			JP 1997514906	Α	19961004		
US 6289102	B1	20010911	WO 1996JP2901	Α	19961004	200154	E
			US 1997849785	Α	19971001		
JP 2004319085	А	20041111	JP 1997514906	А	19961004	200474	E
			JP 2004154000	А	20040524		
EP 802535	B1	20050615	EP 1996932824	Α	19961004	200544	E
			WO 1996JP2901	Α	19961004		
			EP 200426324	Α	20041105		
DE 69634850	E	20050721	DE 69634850	А	19961004	200548	E
***************************************			EP 1996932824	Α	19961004		
			WO 1996JP2901	Α	19961004		
DE 69634850	T2	20060518	DE 69634850	Α	19961004	200637	E
			EP 1996932824	Α	19961004		
			WO 1996JP2901	Α	19961004		
JP 2006179172	Α	20060706	JP 2004154000	Α	19961004	200644	E
		<u> </u>	JP 20062786	Α	20060110		
JP 3792236	B2	20060705	JP 1997514906	Α	19961004	200644	E
			JP 2004154000	Α	20040524		
JP 2006345555	Α	20061221	JP 20062786	Α	19961004	200703	E
			JP 2006198385	Α	20060720		

Abstract

The information recording medium has a lead-in region and a data recording region. Key information is recorded in the lead-in region, and scrambled data are recorded in the data recording region. Descrambling is performed based in the key information. First key information may be recorded in the lead-in region, and second key information in the data recording region, the second key information being converted based on the first key information to allow descrambling..... The data recording region is divided into several sectors, each with an sector header for identification, and a main data region. The second key information is recorded in the sector header... An information recording medium includes a lead-in area and a data recording area. Key information is recorded in the lead-in area. Scrambled data is recorded in the data recording area. The scrambled data is descrambled based on the key information.....

Claims

1. An information recording medium comprising a lead-in area and a data recording area, wherein

key information is recorded in the lead-in area, scrambled data is recorded in the data recording area, and the scrambled data is descrambled based on the key information..... An information recording disk medium comprising a lead-in area and a data recording area, wherein the lead-in area is not accessible by devices other than a disk reproducing device, first key information is recorded in the lead-in area. scrambled data is recorded in the data recording area and, the scrambled data is descrambleable based on the first key information.... An information recording medium comprising a lead-in area not accessible by devices other than a disk reproducing device and a data recording area, whereinkey information is recorded in the lead-in area, scrambled data is recorded in the data recording area, and the scrambled data is descrambled based on the key information. Basic Derwent Week: 199721

17/3.K/5 (Item 5 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Stored value system employing secure encryption protocol and using RF transponders for access systems - has host computer connected to read-write device over link generating secret and public key, and stores encryption data to generate validation signatures for changing transponder data, and distributes to read-write device Patent Assignee: HID CORP (HIDH-N); PALOMAR TECHNOLOGIES CORP (PALO-N)

Inventor: BASPOTNIK W B

	,	Patent Fa	mily (8 patents, 5 cou	ntries) ,	,	,
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 758777	A2	19970219	EP 1996305271	Α	19960718	199713	В
CA 2182464	Α	19970211	CA 2182464	А	19960731	199724	E
EP 758777	АЗ	19970723	EP 1996305271	Α	19960718	199743	E
US 5832090	Α	19981103	US 1995513646	Α	19950810	199851	E
CA 2182464	С	20010807	CA 2182464	Α	19960731	200148	E
EP 758777	B1	20020925	EP 1996305271	Α	19960718	200271	E
DE 69623893	E	20021031	DE 69623893	Α	19960718	200279	E
			EP 1996305271	Α	19960718		
ES 2183915	Т3	20030401	EP 1996305271	Α	19960718	200328	E

Claims:

transponder data from the reader/writer to the central host computer, wherein the reader/writer includes means for transforming the transponder data, for decrypting the encrypted validation signature using the public key, comparing the decrypted validation signature to the transformed transponder data and transmitting a value change command for the stored value in response to a match between the decrypted validation signature and the transformed transponder data. Basic Derwent Week: 199713

22/3,K/1 (Item 1 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Disk manufacture control system e.g. for DVD, issues key information to disk manufacturing entity if authenticity of key information issue request from manufacturing entity is verified Patent Assignee: ASANO T (ASAN-1); KITANI S (KITA-1); MURAMATSU K (MURA-1); SONY CORP (SONY): TAKASHIMA Y (TAKA-1); YONEMITSU J (YONE-1)

Inventor: ASANO T; KITANI S; MURAMATSU K; TAKASHIMA Y; YONEMITSU; YONEMITSU J

		Patent Far	nily (6 patents, 36 cou	ntries)		
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1505596	A2	20050209	EP 2004254509	Α	20040728	200518	В
JP 2005050176	Α	20050224	JP 2003282336	Α	20030730	200518	E
US 20050066167	A1	20050324	US 2004902212	Α	20040728	200526	E
CN 1601642	Α	20050330	CN 200410090519	Α	20040730	200547	E
JP 4239741	B2	20090318	JP 2003282336	Α	20030730	200921	E
CN 100545932	С	20090930	CN 200410090519	Α	20040730	201001	E

Abstract

Claims:

said content rights owning entity to perform manufacturing processing of an information recording medium storing encrypted content; andkey information issue entity providing said information recording medium manufacturing entity with a key information block capable of acquiring key information for decryption of said encrypted content in response to a key information issue request from said information recording medium manufacturing..... information recording medium manufacturing request from said content rights owning entity, and, on condition that said authorized request data is verified, provides said key information block for said information recording medium manufacturing entity; andsaid information recording medium manufacturing entity comprises a configuration capable of manufacturing an information recording medium storing encrypted content made by encrypting..... request/requirement from the said content rights possession entity, and stored encryption content. It has a key information issuing entity which provides the said information recording-medium manufacture entity with the key information block which can acquire the key information which responds to the key information issue request from the said information recordingmedium manufacture entity, and is applied..... by this verification processing that they are valid request requirement data, the said information recording-medium manufacture entity is provided with the said key information block. The said information recording-medium manufacture entity, it has the structure which manufactures the information recording medium which stored the encryption content which encrypted the receipt content from the said said content rights owning entity to perform manufacturing processing of an information recording medium storing encrypted content; andkey information issue entity providing said information recording medium manufacturing entity with a key information block capable of acquiring key information for decryption of said encrypted content in response to a key information issue request from said information recording medium manufacturing..... information recording medium manufacturing request from said content rights owning entity, and, on condition that said authorized request data is verified, provides said key information block for said information recording medium manufacturing entity; andsaid information recording medium manufacturing entity comprises a configuration capable of manufacturing an information recording medium storing encrypted content made by encrypting...

^{22/3,}K/2 (Item 2 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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region arranged such that stored amend studio code and recording medium manufacturer code does not overlap with seed region

Patent Assignee: SONY CORP (SONY)

Inventor: ASANO T; KITANI S; MURÁMATSU K; TAKASHIMA Y; YONEMITSU J; YONEMITSU
Patent Family (5 patents 107 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2004109684	A1	20041216	WO 2004JP6619	Α	20040511	200510	В
US 20060150251	A1	20060706	WO 2004JP6619	Α	20040511	200645	E
			US 2005559518	Α	20051206		
JP 2005506736	Х	20060720	WO 2004JP6619	А	20040511	200648	E
			JP 2005506736	Α	20040511		
TW 250759	B1	20060301	TW 2004112051	Α	20040429	200717	E
TW 200501703	Α	20050101	TW 2004112051	Α	20040429	200958	E

Abstract

NOVELTY - The information recording medium has region storing encrypted amend studio code (ASC) and recording medium manufacturer code (DMC). The medium has seed region serving as key production information, which is arranged such that none of the codes overlaps with the seed region. ... USE - Information recording medium e.g. compact disk (CD), digital versatile disk (DVD), DVD-ROM, DVD-video ROM, hard disk and mini disk (MD) used with personal computer (PC), CD player, DVD player, MD player and game machine for recording content such as image data, audio data, music, movie, game program and other application program...... ADVANTAGE - Prevents the leakage of entity codes in the information recording medium DESCRIPTION OF DRAWINGS -The figure shows the storage position of encrypted amend studio code and recording medium manufacturer code in the information recording medium. (Drawing includes non-English language text) The present invention provides a configuration for preventing each entity code stored in information recording media from being leaked. Authoring studio code (ASC) and disc manufacturer code (DMC) are encrypted without failure and the encrypted codes are stored in information recording media. The data setting location in program map table (PMT) is controlled such that these entity codes will not overlap the seed area that provides key generating information. so that, if the packet storing the program map table storing authoring studio code (ASC) and disc manufacturer code (DMC) is set to an arbitrary position in a content packet sequence, these entity codes will not overlap the seed area... ... An arrangement for preventing leakage of entity codes stored in an information recording medium. The arrangement ensures that amend studio code (ASC) and information recording medium manufacturer code (DMC) are encrypted and stored in an information recording medium. The data setting positions in a program map table (PMT) are controlled such that none of those codes overlaps with a seed region serving as key production information. As a result, even if the stored packets of the program map table storing therein the amend studio code (ASC) and information recording medium manufacturer code (DMC) are set to any position in the content packet sequence, then none of the entity codes overlaps with the seed region serving... ...

Claims:

1. An information recording medium storing encrypted content, having a configuration in which content and an entity code set for each entity in a manufacturing route of said information recording medium, and data included in a certain encryption processing unit is encrypted by a key generated on the basis of a seed providing encryption processing key...

22/3.K/3 (Item 3 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Blu-ray disk-read only memory for use with player, records copy protection-related information and copy protection -related information recording/ non-recording

identification information, as wobbled pre-pit type Patent Assignee: KIM J Y (KIMJ-I); LG ELECTRONICS INC (GLDS); SUH S W (SUHS-I) Inventor: KIM J, KIM J, Y; SEO S U; SUH S; SUH S W

		Patent Fam	rily (9 patents, 108 co	untrie	s)		
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2004075193	A1	20040902	WO 2004KR338	Α	20040219	200461	В
JS 20040223427	A1	20041111	US 2003447706	Р	20030219	200475	E
			US 2004780756	А	20040219		
KR 2004074583	Α	20040825	KR 200373800	Α	20031022	200501	E
EP 1597730	A1	20051123	EP 2004712781	Α	20040219	200577	E
			WO 2004KR338	Α	20040219		
TW 200423050	Α	20041101	TW 2004104152	Α	20040219	200612	E
CN 1764969	Α	20060426	CN 200480007952	Α	20040219	200654	E
JP 2006518529	W	20060810	WO 2004KR338	Α	20040219	200654	E
			JP 2006502712	А	20040219		
US 7574003	B2	20090811	US 2004780756	А	20040219	200953	NCE
CN 1764969	В	20101124	CN 200480007952	Α	20040219	201108	E

Abetraet

NOVELTY - The blu-ray disk-read only memory (BD-ROM) has a permanent information and control data (PIC) zone in which copy protection-related information (CPI) and identification information (CPI f lag) indicating recording/non-recording of the copy protection-related information are recorded as a wobbled pre-pit type.... blu-ray disk-read only memory forming apparatus; blu-ray disk-read only memory reproducing apparatus; and blu-ray disk-read only memory reproduction method...... USE - Blu-ray disk-read only memory (BD-ROM) for use with recorder, player ADVANTAGE -Protects blu-ray disk-read only memory from illegal copy effectively, and performs easy distinction between legal and illegal blu-ray disk-read only memory... ... Disclosed herein are a recording medium, an apparatus for forming the recording medium, and an apparatus and method for reproducing the recording medium. CPI (Copy Protection-related Information), identification information (CPI...... BD-ROM formatter includes a copy protection control chip (CPCC). Inputted to the CPCC of the BD-ROM formatter is a contents authoring code file provided by the contents provider, which contains control data, such as CPI and a CPI flag, and main data such as an A/V stream. The BD-ROM formatter separates the control data and main data from the inputted contents authoring code file through the CPCC and formats the separated control data and main data such that they are suitable to a BD-ROM standard. Thereafter, the mastering machine makes a masscopyable master using the output of the BD-ROM formatter inputted thereto For legal disc making, a legal contents authoring code file containing control data, such as legal CPI and a legal CPI flag, and main data is applied to the BD-ROM formatter. For example, here a disc to be legally made is of a copy protected mode type, legal contents authoring code file containing CPI and 'CPI Flag= 1' is inputted to the BD-ROM formatter. Alternatively, where a disc to be legally made is of a copy free mode type, a legal contents authoring code file containing no CPI and only 'CPI_Flag= 0' is inputted to the BD-ROM formatter. The BD-ROM formatter formats the legal control data and main data separated through the CPCC such that they are suitable to the BD-ROM standard, and the mastering machine makes a master. However, in the case where the illegal disc copying is attempted, only a data stream, or main data, illegally stored in the storage medium is inputted to the BD-ROM formatter, or an illegal contents authoring code file containing the main data and illegal control data is inputted to the BD-ROM formatter. In this case, the BD-ROM formatter formats wrong control data containing a CPI flag fixed at 'CPI Flag=1' and wrong CPI or no CPI, and the main data......the optical disc, and compulsorily stops a data playback operation upon judging that the disc has been illegally copied. Therefore, it is possible to effectively protect an optical disc from illegal copying, make an accurate and easy distinction between a legally made optical disc and an illegally made optical disc, and... ...

Claims

1. A recording medium, comprising:a specific area in which copy protection-related information and identification information indicative of recording or non-recording of the copy protection-related information are recorded as a wobbled pre-pit type.... The invention claimed is: 1. A computer readable recording medium for use in an apparatus for reproducing data stored in the computer readable recording medium (comprising: a specific area in which copy protection-related information information indicative of recording or non-recording of the copy protection-related information are recorded as a wobbled pre-pit type, the copy protection-related information are recorded as a wobbled pre-pit type, the copy protection-related information are recorded as a wobbled pre-pit protection-related information are recorded as a wobbled pre-pit protection and the identification information causing the apparatus to determine whether or not the data is copied on the computer readable recording medium through a legal process.

22/3,K/4 (Item 4 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Authoring apparatus for video CD, has data output portion to group the keys with which contents have been encrypted, encrypt grouped keys, create grouped encrypted keys and output contents to recording medium Patent Assignee: SONY CORP (SONY)

Inventor: HIDACHI A: HITACHI A: KAZAMI S: OTA O: TSUCHIDA Y

Patent Family (3 patents, 33 countries)									
Patent Number	Kind	Date	Application Number	Kind	Date	Update Type			
EP 1418581	A2	20040512	EP 200325486	A	20031106	200440 B			
JP 2004165855	Α	20040610	JP 2002327441	Α	20021111	200440 E			
US 20040151320	A1	20040805	US 2003700487	Α	20031105	200452 E			

Abstract

The apparatus has a structure creating portion for encrypting input contents (11) with different keys and creating a structure for recording the contents on a recording medium e.g. CD (50). A data output portion groups the keys with which the contents have been encrypted and encrypts the grouped keys. The data output portion creates the grouped encrypted keys and... the contents have been encrypted, encrypts grouped keys with a disc key, and creates a key locker. A disc image creating portion creates image data to be recorded on a product CD with contents of a first session and a second session and the key locker. In accordance with the image data, the CD is produced. Since..... encrypts grouped keys with a disc key, and creates a key locker. A disc image creating portion creates image data to be recorded on a product CD with contents of a first session and a second session and the key locker. In accordance with the image data, the CD is produced. Since.....

Claims:

structure creating portion for encrypting a plurality of input contents with different keys and creating a structure for recording the plurality of contents on a recording medium; anda data output portion for grouping the plurality of keys with which the plurality of contents have been encrypted, encrypting the grouped keys, creating the grouped encrypted keys, and outputting the plurality of contents in a recordable format to the recording medium in accordance with the structure created by the structure creating portion, the grouped encrypted keys being output by the data output portion..... What is claimed is:1. An authoring apparatus, comprising; a structure creating portion for encrypting a plurality of input contents with different keys and creating a structure for recording the plurality of contents on a recording medium; anda data output portion for grouping the plurality of keys with which the plurality of contents have been encrypted, encrypting the grouped keys, creating the grouped encrypted keys, and outputting the plurality of contents in a recordable format to the recording medium in accordance with the structure created by the structure creating portion, the grouped encrypted keys being output by the data output portion.>...Basic Derwent Week: EP 200325486

22/3.K/5 (Item 5 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Digital audio content distribution management method e.g. for music, involves recognizing distributor's identification code to authenticate user for allowing to playback entire compact disk

Patent Assignee: ONG CORP (ONGO-N); ONG L D (ONGL-I)

Inventor: ONG L D

Patent Family (4 patents, 100 countries)									
Patent Number	Kind	Date	Application Number	Kind	Date	Update Type			
US 20030195851	A1	20031016	US 2002372249	Р	20020411	200375 B			
			US 2003411986	A	20030411				
WO 2003088561	A1	20031023	WO 2003US11027	Α	20030411	200380 E			
AU 2003221854	A1	20031027	AU 2003221854	Α	20030411	200436 E			
JP 2005522745	W	20050728	JP 2003585351	Α	20030411	200549 E			
			WO 2003US11027	Α	20030411				

Abstract:

PC) (114). If the distributor's identification (ID) code is recognized, the user is identified as an authorized person and allowed to playback the entire CD, else allowed to play only a limited portion of the CD.. by their amplitude increment per short traversal times exceeding a predetermined level, and are flagged in the audio data file. A distributor or host ID code is embedded in the audio data file designating the authorized source or host environment for playback of the audio data file. A vector-decoding-enabled.. Basic Derwent Week: 200375

22/3,K/6 (Item 6 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Read-only digital optical disk used in commercial field, has default format that encodes implementation of variable user data format encoding published works encrypted by variable software algorithm

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD

Inventor: HAN Z; NELSON T J; ZOU H

Patent Family (3 patents, 2 countries)										
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Туре			
JP 2002140869	Α	20020517	JP 2001246030	Α	20010814	200250	В			
US 20070143863	A1	20070621	US 2000640360	Α	20000816	200741	E			
			US 2007676607	Α	20070220					
US 7249384	B1	20070724	US 2000640360	Α	20000816	200749	E			

Abstract

A copy-resistant read-only digital optical disc having encrypted digital data. The copy-resistant readonly digital optical disc includes a digital work, a variable user-data format encoding said digital work after encryption with a variable software algorithm, an implementation of said variable...... algorithm, and an implementation of said variable user data format encoded in a default format. The encrypted digital data is read on an adaptable digital optical disc player, which is adaptable to a user-data format described on said copy-resistant read-only digital optical disc made in accordance with this invention. A copy-resistant read-only digital optical disc made in accordance with this invention will provide necessary user-data format information on the disc in a default format, which is always accessible by... ...

Claims:

What is claimed is: 1. An adaptable digital optical disc player for reading encrypted digital data, said player comprising; a mechanism that adapts to a copy-resistant read-only digital optical disc; wherein said copy-resistant read-only digital optical disc comprises a digital work. a variable software algorithm for encrypting said digital work, provided to a processor on said player, where a variable user-data format in a second zone encodes said digital work encrypted with said variable software algorithm, and a default format in a first zone encodes an implementation of said variable user-data format; wherein said first zone is located at an innermost predetermined section of said copy-resistant read-only digital optical disc and includes said implementation of said variable userdata format encoded in said default format; a drive which accepts said read-only digital optical disc including said first and second zones including said encrypted digital data and outputs a channelsignal stream; a controller which generates commands which cause said drive to access said first and second zones on said read-only digital optical disc: a default sequencer which accepts commands from said controller and said channel-signal stream from said drive and returns a data-byte stream in real-time from said read-only digital optical disc through said drive and said default sequencer; a multimedia processor which passes user requests from said adaptable digital optical disc player to said controller and receives said encrypted digital work and an implementation of said variable software algorithm from said controller; a programmable-sequencer which..... commands and programmable-sequencer instructions from said controller and said channel-signal stream from said drive, and outputs a data-bit stream; a default ECC-decoder which accepts commands from said controller and said data-byte stream from said default sequencer; a programmable ECC-decoder which accepts programmable ECC-decoder commands and instructions from said controller and said data-bit stream from said programmable-sequencer; wherein said controller reads said implementation of said user-data format in said default format through said default sequencer and said default ECCdecoder into said programmable sequencer into said programmable sequencer and reads said implementation of said algorithm and said encrypted digital work through said programmable sequencer and said programmable ECC decoder; wherein said programmable-sequencer comprises; a programmable channel-bit converter which accepts channel configuration data from said controller and said channel-signal stream from said... Basic Derwent Week: 200250

22/3,K/7 (Item 7 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Unique identification method for digital content on digital content player, by receiving first, second and third identifiers, and producing fourth unique identifier based on mathematical combination of identifiers

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC); WISTRON CORP (WIST) Inventor: DORACK JJ: DORAK JJ

		Patent Fan	nily (12 patents, 30 co	untrie	s)		
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Туре
CN 1289100	Α	20010328	CN 2000127012	Α	20000914	200158	В
EP 1085443	A2	20010321	EP 2000308024	Α	20000914	200212	ETAB
CA 2316762	A1	20010317	CA 2316762	Α	20000817	200159	E
JP 2001160003	Α	20010612	JP 2000279877	Α	20000914	200159	E
KR 2001050381	Α	20010615	KR 200053161	Α	20000907	200171	E
US 6389403	B1	20020514	US 1998133519	Α	19980813	200239	E
			US 1998177096	Α	19981022		
			US 1999397419	А	19990917		
KR 444695	В	20040818	KR 200053161	Α	20000907	200481	E
CA 2316762	С	20070403	CA 2316762	Α	20000817	200726	E
CN 100345157	С	20071024				200830	E
EP 1085443	В1	20080827	EP 2000308024	Α	20000914	200858	E
DE 60040041	E	20081009	DE 60040041	Α	20000914	200868	E
			EP 2000308024	Α	20000914		
JP 4347508	B2	20091021	JP 2000279877	Α	20000914	200970	E

Abetract

algorithm. Two keys are mathematically related. As a result, the data encrypted using one key are undecipherable if the other key is not used. The owner of a key keeps one key (private key) secret. and, generally distributes the 2nd key (public key). In order to protect transmission of a secret message using a a message, a message owner calculates a message digest (it defines in the bottom) first. Then, a message digest is encrypted using an owner's private key. A message is distributed with the signature. The receipt side of a message can verify a digital signature by decoding a signature first using a message owner's public key, and recovering restoring a message digest. Next. the receipt side calculates the received digest of a message and compares with the recovered restored digest. When......The key 201 is public key or a private key CLRNGH showing the tooth gear of a key. for example, a clearing house, shows the owner of a key PB in a handlel steering-wheel shows that it is public key, therefore the key 201 is the public key of a clearing house.PV...tool to enable it to produce a series of content 113 for electronic distribution. For example, all the content 113 can be produced from the track truck with which 1 or more CD which produces from a series of CDs, or is testlinspected by the content provider 101 was selected. The pre-processing parameter can be automatically...regenerate, if it clicks)- Tracki truck name object- Tracki truck information object-Track|truck | vric button- Track|truck | vric object- Track|truck artist name object- Track|truck credit button- Track truck credit object- CD name object- CD credit button- CD credit object- General purpose (configurable) metadata button- General purpose metadata object, othersThe following is contained in the function of the end user...system of an end user. Grouping of music similar to physical CD is stored as a reproduction list. In some cases, a reproduction list emulates CD correctly. (For example, when all the track trucks of commercially available CD are purchased from the electronic digital content store 103 as an online edition of CD and are defined by the reproduction list equivalent to the...follows (It respond) corresponds to Screen 1601 of an end user interface.).-Reproduction regeneration - Pause - Stop- It skips back - It skips to front - Volume control-Track truck position adjusting- Lyric display- Credit display- CD cover display- Artist picture display-Presenting of track truck information- Display of other metadata- Website visit- Reproduction list-Librarian, othersthe inside of implicitness when a digital content librarian digital content librarian selects music... Basic Derwent Week: 200158

Copy protection arrangement in optical disk, utilizes title identifier code and classification code to control recorder to prohibit from making further copies

Patent Assignee: EASTMAN KODAK CO (EAST)

Inventor: ASHE P.R.

		Patent Fa	mily (1 patent	s, 1 countri	es)	
Patent Numbe	r Kind	Date	Application N	lumber Ki	nd Date	Update Type
US 6070799	Α	20000606	US 19973465	4 P	19970108	200040 B
			US 19979024	73 A	19970729	

Abstract

NOVELTY - Optical disk (10) has a title identifier (ID) code to identify digital data, and classification code. Disk reader (30) reads and indicates the code and title ID to process and memory circuit (42). A recorder (31) controlled by processing unit, prohibits from making further copies, and permits to make only single copy from original disk, or does not restrict number of copies to be made by the code. USE - Used for limiting the number of copies of recorded data during recording information from original disk to another disk such as DVD , CD-ROM.....ADVANTAGE - Makes use of barcode technology for providing copy protection for recording medium. Hence prevents unauthorized copies. Copy protection including single copy capability can effectively realized... Copy protection for an original recordable medium such as an optical disk having at least one recording surface which records digital information, including the digital information having a title ID code which identifies the digital information; and a copy classification code for the digital information which incleates to a recorder whether it is prohibited from making copies, permitted to make only a single copy or does...

Claims:

from an original disk having at least one recording surface which has a title ID that identifies the digital information, and having a copy classification code for the digital information identified by the title ID which indicates to a recorder whether the recorder is prohibited from making copies, permitted to make only a... original or does not restrict the number of copies to be made in a copying session, comprising; (a) means for reading and storing a unique code from a bar code on the recordable medium, the unique code identifying the original disk.(b) means for reading the title ID and the copy classification code from the original disk and for storing the title ID and the copy classification code on the first recordable disk responsive to the unique code; and(c) means responsive to the unique code, the title ID and the copy classification code for controlling the recorder including means responsive to the copy classification code for controlling the recorder including means responsive to the copy classification code for controlling the recorder including means responsive to the copy classification code for controlling the recorder including means responsive to the copy classification code for controlling the recorder including means responsive to the copy classification code for controlling the recorder including means responsive to the copy classification code for preventing the recorder from making a copy onto a second recordable disk in the copying session. Basic Derwent Week: 200040

22/3,K/9 (Item 9 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Programmable code system for remotely controlling switching functions - uses multiple channels between transmitter and receiver, for conveying numerical code by infrared signals, for driving remote actuator

Patent Assignee: FERPORT SAS DI BIASSONI & C M (FERP-N)

Inventor: BIASSONI M

Patent Family (2 patents, 25 countries)										
Patent Number	Kind	Date	Application Numb	er Kind	Date	Update	Type			
EP 889453	A2	19990107	EP 1998111928	А	19980627	199906	В			
IT 1297272	В	19990809	IT 1997MI1572	А	19970703	200170	E			

Abstract

The code is assembled hierarchically from plural partial codes, e.g. a producer code, set by encoder

(30), a distributor code, set by encoder (40), an installer code, set by encoder (50), an end-user personal code, set by encoder (60). The partial codes are assembled...

Claims:

said) at least one encoding devices (30, 40, 50, 60) being adapted to supply to and store into said transmitter (10) and receiver (20) a portion or partial code (Cp, Cd, Ci, Cu) of said enabling code (CODE). ... Basic Derwent Week: 199906...

22/3,K/10 (Item 10 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Digital writing object distributing system for e.g. software, electronic publication used in CD-ROM, network environment - has terminal equipment to read and write information on memory medium at predetermined storing place identified by identification code Patent Assignaes: HITACHI LTD (HITA)

Inventor: SANO K: YAGAWA Y

Patent Family (2 patents, 2 countries)										
Patent Numbe	r Kind	Date	Application	Number Kind	Date	Update Type				
JP 10021144	Α	19980123	JP 19961727	20 A	19960703	199814 B				
US 6751598	B1	20040615	US 19978872	251 A	19970702	200439 E				

Abstract:

digital content updating unit of the terminal system transmits to a distributor a request for transmission of the digital content together with a user profile code. The distributor refers to a user management file to check the validity of the user profile code and the number of times of distribution. If they are valid, the latest edition.....

Claims:

content, comprising: a drive unit for making an access to information in a storage medium mounted thereto, the storage medium having a read only storage area and a rewritable storage area; a digital content access permitting section, including a judging section connected to said drive unit for reading a code from a predetermined location on said storage medium and judging whether or... Basic Derwent Week: 199814

28/3,K/1 (Item 1 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Computer system for converting video information from uncompressed format to desired format, has memory for storing application having codes for processing raw video information and performing disk authoring operation
Patent Assignee: MEDIOSTREAM INC (MEDI-N)

Inventor: HUANG Q

Patent Family (1 patents, 1 countries)										
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type			
US 20110044661	A1	20110224	US 2010907939	Α	20101019	201118	В			
***************************************			US 2007847190	Α	20070829					
0			US 2006342280	Α	20060127					
			US 2002202999	Α	20020723					

Abstract:

NOVELTY - Memory e.g. RAM (870) stores integrated software application having code to resize raw

video information to size associated with desired output media format. A disk authoring code for multiplexing elementary video stream into desired output media format and TV standard, to obtain video and audio information in presentation format is stored in......raw video information in uncompressed format to frame rate associated with desired TV standard is stored in memory. An INDEPENDENT CLAIM is included for computer recordable medium for storing program for converting video information..... Basic Detwent Week: 201118...

28/3,K/3 (Item 3 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Information providing apparatus for distribution of music, video data, compares encryption data using authentication key with received encryption data Patent Assignee: SONY CORP (SONY)

Inventor: HISAMATSU F; UENO S; YAMANAKA Y; YOSHINO K; YOSHITOMI K

Patent Family (5 patents, 2 countries)									
Patent Number	Kind	Date	Application Number	Kind	Date	Update Type			
JP 2003069558	Α	20030307	JP 2001251588	Α	20010822	200338 B			
US 20030079042	A1	20030424	US 2002223798	Α	20020820	200338 E			
US 20060185022	A1	20060817	US 2002223798	Α	20020820	200655 E			
			US 2006405983	Α	20060418				
US 7328458	B2	20080205	US 2002223798	A	20020820	200812 E			
JP 4151246	B2	20080917	JP 2001251588	Α	20010822	200863 E			

Claims:

A recording means to record content data memorize| stored in the memory| storage means on an external storage medium; information recording management means which manages operation| movement of the said recording means; 1st internal certification| authentication means to certify| authenticate whether the said content data is..... content key with a root key (Kroot); the authoring device including; means for receiving the content identifier (CID), authoring key enabling key (CEK) and the authoring key (CED) from the authoring key generator; means for storing content corresponding to the content identifier (CID); means for storing the content identifier (CID), authoring key enabling key (CEK) and the authoring key (CED); means for decrypting... Basic Derwent Week: 200338

28/3,K/5 (Item 5 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Digital signature calculation system for securing program codes, obtains digital signature for signature target data from calculated partial signatures, using secret key of program code owner.

Patent Assignee: NEC CORP (NIDE) Inventor: OBANA M; OBANA S

Patent Family (4 patents, 2 countries)										
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Туре			
US 20010016911	A1	20010823	US 2001760805	Α	20010117	200158	В			
JP 2001202012	Α	20010727	JP 20009037	Α	20000118	200158	E			
JP 3584831	B2	20041104	JP 20009037	А	20000118	200472	E			
US 7103775	B2	20060905	US 2001760805	Α	20010117	200660	E			

Claims:

a network, and remote hosts in the network which can be visited by the mobile agent, wherein the base host includes: an agent execution environment corresponding to the base host for lefting the mobile agent execute its program code; a random number generation means for generating random numbers, a partial signature auxiliary data generation means to which the random numbers generated by the random number generation means and a secret key of the owner of the mobile agent are inputted and which generates partial signature auxiliary data for distributing the information of the secret key of the owner of the mobile agent to.... calculation for the partial signature auxiliary data generated by the partial signature auxiliary data generation means, andeach remote host includes: an agent execution environment corresponding to the remote host for lefting the mobile agent execution environment corresponding to the remote host for lefting the mobile agent execute its program code: a partial signature calculation means to which signature target data to which a signature carget data being target data to which a signature carget data being target data to which a signature carget data being target data to which a signature carget data being target data to which a signature agus decreases.

28/3,K/8 (Item 8 from file: 350) DIALOG(R) File 350: Derwent WPIX

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Intelligent TV system for satellite broadcasting - outputs non-changing image codes such that complete non-changing image shifting occurs during modification of changing image according to camera position to obtain narrow bandwidth signals

Patent Assignee: BRUMMETT P L (BRUM-I)

		-					
		Patent Fa	mily (1 patents, 1 cou	ntries)		
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Туре
US 5861905	Α	19990119	US 1996700850	Α	19960821	199911	В

Abstract:

facilitates usage in remote imaging. A high definition sound and image signals is generated by transmitting them in narrow bandwidth line. The data for broadcast, CD and other data is retrieved easily from the data stream packets. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of intelligent camera and...

Claims:

said signals from said microphone means to said camera means and said camera processor means, said camera means including in said digital image codes, a corresponding sound code for said image; studio processor means having an operator input device for manipulating the digital codes generated by the camera processor means, said studio processor means separating the non-changing digital codes and changing image codes, identifying the non-changing codes... Basic Derwent Week: 199911

28/3,K/9 (Item 9 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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Files protection method e.g. for optical writable disk - having storage layer which is capable of being disrupted when laser beam of sufficient intensity is focused with disk having transparent substrate layer on one side of storage layer and lacquer layer on other side Patent Assignee: EASTMAN KODAK CO (EAST)

Inventor: BROWNSTEIN S.A.; CUSHMAN T.R.; KLINE P.J.; LENTZ J.P.

Patent Number	Kind	Date	Ap	plication	Number	Kind	Date	Update Type
US 5706266	А	19980106	US	19918109	976	Α	19911220	199808 B
			US	19929996	26	Α	19921231	
			US	19954324	45	Α	19950501	

Abstract:

The method involves physically embedding an identification signal group in a writable optical disk. A second identification signal group is stored in a file written on the writable optical disk. On initiation of interaction between an interaction system and the writable optical disk, a representation of the two identification signal groups is transferred to a signal processing unit of the interaction system. The two identification signals group representation in the signal processing unit and continuing interaction are compared between the interaction system and the writable optical disk only when the comparison between the two identification signal group representations is positive.....A transferred file is decoded prior to processing by the processing unit. Where the interaction system has a third identification signal group associated with it, the method involves transferring a representation of the third identification signal group to the signal processing unit of the interaction system. The third and first identification signal group representations are compared in the signal processing unit. Continuing interaction between the interaction system and the writable optical disk only when the comparison between the first and third identification signal group representations is positive... disruptions provided by the laser beam are selected to provide human readable and/or machine readable patterns. To reduce the damage to portions of the optical disk other than the storage layer, the storage layer is exposed to the laser beam prior to curing, or prior to applying and curing the lacquer layer. The optical disk can be of the type with data written thereon during fabrication, or the disk can be of the type in which data can be impressed thereon after fabrication of the optical disk. The patterns on the optical disk can be in the form of optical bar codes. In one application of the present invention involving the type of disk on which data can be written after fabrication...

Claims.

A method of protecting files stored on an optical writable disk, said method comprising the steps of; physically embedding a first identification signal group in a writable optical disk; storing a second identification signal group in a file written on said writable optical disk; on initiation of interaction between an interaction system and said writable optical disk; transferring a representation of said first and said second identification signal group to a signal processing unit of said interaction system; comparing said first and said second identification signal group representation in said signal processing..... wherein said interaction system has a third identification signal group associated therewith, said method further comprising the steps of transferring a representation of said third identification signal group to the signal processing unit of said interaction system and comparing said third and first identification signal group representations is asid signal processing unit and continuing interaction between said interaction system and said writable optical disk only when said comparison between said first and third identification signal group representations is positive. Basic observable were said first and third identification signal group representations is positive. Basic observable were said first and third identification signal group representations is positive. Basic observable were said first and third identification signal group representations is positive. Basic observable were said first and third identification signal group representations is positive. Basic observable were said first and third identification signal group representations is positive. Basic observable were said first and third identification signal group representations is positive. Basic observable were said first and third identification signal group representations is positive. Basic observable were said first and third identification signal group representations is positive. Basic observable were said first and thi

28/3,K/11 (Item 11 from file: 347) DIALOG(R)File 347: JAPIO

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DRIVING MECHANISM FOR OPTICAL HEAD FOR OPTICAL DISC

Pub. No.: 57-167147 [JP 57167147 A] Published: October 14, 1982 (19821014)

Inventor: OGOSHI SEIICHI

Applicant: TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)

Application No.: 56-053539 [JP 8153539]

Filed: April 09, 1981 (19810409)

Journal: Section: P, Section No. 168, Vol. 07, No. 10, Pg. 67, January 14, 1983 (19830114) ...

Published: 19821014)

ABSTRACT:

CONSTITUTION: A magnetic circuit 22 is formed which has comparatively wide magnetic gaps 21 extending in the direction of the radius of a disc-shaped recording medium (which is not shown in figure) and is closed in the terminal in the direction of the radius, and movable yokes 23 having a length.....arranged in magnetic gaps 21. Partially narrow gaps 24 are formed, and AFC driving coils

25 for an optical head, ATC driving coils 26, and ASC driving coils 27 are provided in relation to these movable yokes 23. Movable yokes 23 move in accordance with the movement of the optical head in the direction of the radius to... Dio1

DIALOG(R) File 348: EUROPEAN PATENTS
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19/3K/5 (Item 5 from file: 348)

Optical disk apparatus, optical disk recording method, and optical disk

Patent Assignee:

Sony Corporation (100224958)
 7-35, Kitashinagawa 6-chome Shinagawa-ku; Tokyo (JP)
 (Proprietor designated states: all)

Inventor:

- Kobayashi, Seiji
 - c/o Sony Corporation, 7-35, Kitashinagawa 6-chome; Shinagawa-ku, Tokyo; (JP)
- Ito, Kazumine
- c/o Sony Corporation,7-35, Kitashinagawa 6-chome; Shinagawa-ku,Tokyo; (JP)
- Horigome, Toshihiro

c/o Sony Corporation,7-35, Kitashinagawa 6-chome; Shinagawa-ku,Tokyo; (JP)

Legal Representative:

. Meizer, Wolfgang et al (100004085)

Mitscherlich & Partner Patent- und Rechtsanwalte Postfach 33 06 09; 80066 Munchen; (DE)

	Country	Number	Kind	Date
Patent	EP	1162615	A2	20011212 (Basic)
Patent	EP	1162615	А3	20040519
Patent	EP	1162615	В1	20100901
Application	EP	2001113898		20010607
Priorities	JP	2000175574		20000607

Specification:

1D are schematic diagrams for explaining a mini disk used in the present invention;

Fig. 2 is a flowchart showing a process of manufacturing the mini disk in Fig. 1;

Fig. 3 is a block diagram showing a bar code writer in an embodiment of the present invention;

Fig. 4 is a block diagram showing a 4-1 modulator in the bar code writer of Fig. 3;

Fig. 5 is a block diagram showing an optical disk apparatus to access the mini disk of Fig. 1;

Fig. 6 is a block diagram showing a second decoder in the optical disk apparatus of Fig. 5; and

Fig. 7 is a block diagram showing a maximum detector in the second decoder of Fig. 6.

DETALLED DESCRIPTION OF... "next step in the optical disk manufacturing process 1, the copyright protective information ED outputted from a signal source 16 is recorded by a bar code writer 18, and subsequently the mini disk 2 is packaged and shipped. The bar code writer 18 modulates a high-output laser beam, which is emitted from a YAG (yttrium aluminum garnet) laser or the like, with the copyright protective information ED and then irradiates the modulated beam to an inner area of the mini disk 2 to change the information recording plane of the mini disk 2 locally and unreversibly by the copyright protective information ED. At

DIALOG(R) File 348: EUROPEAN PATENTS (c) 2011 European Patent Office. All rights reserved. 19/3K/6 (Item 6 from file: 348)

System and method for processing protected data

Patent Assignee:

Sony Corporation (214029)
 6-7-35 Kitashinagawa, Shinagawa-ku; Tokyo 141 (JP)
 (Applicant designated States: all)

Inventor:

- Nonaka, Akira, Sony Corp., Intel. Prop. Dep. 6-7-35 Kitashinagawa, Shinagawa-ku; Tokyo 141; (JP)
- Ezaki, Tadashi, Sony Corp., Intel. Prop. Dep. 6-7-35 Kitashinagawa, Shinagawa-ku; Tokyo 141; (JP)

Legal Representative:

Pilch, Adam John Michael et al (50481)
 D Young & Co 120 Holborn; London EC1N 2DY; (GB)

	Country	Number	Kind	Date	
Patent	EP	1130492	A2	20010905	(Basic)
Patent	EP	1130492	АЗ	20041110	
Application	EP	2000311199		20001214	
Priorities	JP	99361225		19991220	

Specification:

and the signature data SIG1,ESO)) therefor, which are shown in Figs. 3B and 3C, stored in the secure container 104 recorded on the secure RAM area 132 of the recording medium (ROM) 13011), are written into the work memory 200 via the medium drive SAM manager 855. In step S51-3, after verifying the integrity of......KCP,R). The signature processor 189 also verifies the integrity of the signature data SIGK1,ESC) stored in the key file KF, i.e., the creator of the key file KF, by using the public key data KESC,P) read from the storage unit 192. Subsequently, in step S51-4, after verifying the integrity.

CONTENTS MANAGEMENT SYSTEM, DEVICE, METHOD, AND PROGRAM STORAGE MEDIUM

Patent Assignee:

Sonv Corporation (214028)

7-35. Kitashinagawa 6-chome. Shinagawa-ku: Tokyo 141-0001 (JP) (Applicant designated States: all)

Inventor

· ISHIBASHI, Yoshihito, Sony Corporation

7-35, Kitashinagawa 6-chome, Shinagawa-ku; Tokyo 141-0001; (JP)

· OHISHI, Tateo, Sony Corporation

7-35, Kitashinagawa 6-chome, Shinagawa-ku; Tokyo 141-0001; (JP)

MUTO, Akihiro, Sony Corporation

7-35, Kitashinagawa 6-chome, Shinagawa-ku; Tokyo 141-0001; (JP) · KITAHARA, Jun, Sony Corporation

7-35, Kitashinagawa 6-chome, Shinagawa-ku; Tokyo 141-0001; (JP)

· SHIRAI, Taizou, Sony Corporation

7-35, Kitashinagawa 6-chome, Shinagawa-ku; Tokyo 141-0001; (JP)

Legal Representative:

 DeVile, Jonathan Mark, Dr. et al (91151) D. Young & Co 21 New Fetter Lane: London EC4A 1DA: (GB)

	Country	Number	Kind	Date	
Patent	EP	1128598	A1	20010829	(Basic)
	WO	200119017		20010315	
Application	EP	2000956997		20000907	
	wo	2000JP6089		20000907	
Priorities	JP	99253660		19990907	
	JP	99253661		19990907	
	JP	99253662		19990907	
	JP	99253663	Ī .	19990907	
	JP	99260638		19990914	
	JP	99264082		19990917	
	JP	99265866		19990920	

Specification:

time, supplies the information on profit distribution, and receives information (a handling policy) to be attached to the contents, if necessary, A copying right management section 13 transmits information indicating results of content utilization of the user home network 5 to an organization managing copying rights, e.g., JASRAC (Japanese Society for Rights of Authors, Composers and Publishers). A key server 14 performs generation, maintenance, management of keys used for the entire system, and the individual key KI)) different for...supplied to an authentication station 22, if necessary, and the delivery key Kd)) is supplied to the user home network 5 via a user management section 18. In addition, a public key and a secret key of the electronic distribution center 1 as well as a public key and a secret...

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Recording medium, method and apparatus for producing recording medium and data recording method and apparatus

Patent Assignee:

SONY CORPORATION (214024)
 7-35, Kitashinagawa 6-chome Shinagawa-ku; Tokyo (JP)
 (Applicant designated States: all)

Inventor:

- · Furukawa, Shunsuke
 - c/o Sony Corporation, 7-35, Kitashinagawa 6-chome; Shinagawa-ku, Tokyo; (JP)
- Sako, Yoichiro
 c/o Sony Corporation, 7-35, Kitashinagawa 6-chome; Shinagawa-ku, Tokyo; (JP)

Legal Representative:

Nicholls, Michael John (61941)
 J.A. KEMP & CO. 14, South Square Gray's Inn; London WC1R 5JJ; (GB)

	Country	Number	Kind	Date	
Patent	EP	1081698	A2	20010307	(Basic)
Patent	EP	1081698	АЗ	20030423	
Application	EP	2000307442	1	20000830	
Priorities	JP	99246549		19990831	

Specification:

generate a key. The information converted from the sector addresses 128, 129, 130, (center dot) (center dot), 32765, 32767 is recorded in the area 5 of the disc-shaped recording medium 1. Meanwhile, in the disc-shaped recording medium 1, an encryption key may be recorded in a pre-set area for address data of the disc-shaped recording medium 1, such as in a sector 127. If data including main data is recorded in the pre-set area by a data recording apparatus, as later explained, an encryption key may also be recorded in the data sector. Moreover, a code of a producer of the disc-shaped recording medium or an ID of the disc-shaped recording medium 1 may be substituted for part or all of the...

DIALOG(R) File 348: EUROPEAN PATENTS

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19/3K/15 (Item 15 from file: 348)

Method and system for digitally compensating for film unit defects

Patent Assignee:

EASTMAN KODAK COMPANY (201212)
 343 State Street; Rochester, New York 14650 (US)
 (Applicant designated States: all)

Inventor:

- · Smart, David C., c/ o Eastman Kodak Co.
 - Patent Legal Staff, 343 State Street; Rochester, New York 14650-2201; (US)
- · Cipolla, David, c/ o Eastman Kodak Co.,

Patent Legal Staff, 343 State Street; Rochester, New York 14650-2201; (US)

Legal Representative:

Weber, Etienne Nicolas et al (91684)
 Kodak Industrie, Departement Brevets, CRT, Zone Industrielle; 71102 Chalon sur Saone Cedex; (FR)

	Country	Number	Kind	Date
Patent	EP	1016923	A2	20000705 (Basic
Patent	EP	1016923	АЗ	20040128
Application	EP	99204204		19991208
Priorities	US	221420	-	19981228

Specification:

10 and a single associated logical memory unit 20. Unique identifiers 42 can be readily provided by use of non-repeating sequences of numbers or codes. If different producers are likely to use the same numbers, then it is also desirable that producer identification also be included in the identifiers 42 to ensure uniqueness. The identifier 42 is printed on a film unit 10 or recorded in some other manner, such as digital recording on an area of magnetic or optical recording media. The identifier 42 is human or machine-readable or both prior to exposure of images. It is preferred that the identifier 42 be recorded independently.

DIALOG(R) File 348: EUROPEAN PATENTS (c) 2011 European Patent Office. All rights reserved. 19/3K/21 (Item 21 from file: 348)

Recording medium having text information recorded in a plurality of subcode channels and reproducing apparatus

Patent Assignee:

SONY CORPORATI ON (214024)
 7-35, Kitashinagawa 6-chome Shinagawa-ku; Tokyo (JP) (Proprietor designated states; all)

Inventor:

Yokota, Teppei, c/ o Sony Corp.
 7-35, Kitashinagawa 6-chome, Shinagawa-ku; Tokyo; (JP)

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Melzer, Wolfgang, Dipl.-Ing. et al (8278)
 Patentanwaite Mitscherlich & Partner. Sonnenstrasse 33: 80331 Munchen: (DE)

	Country	Number	Kind	Date
Patent	EP	791925	A2	19970827 (Basic)
Patent	EP	791925	АЗ	19990519
Patent	EP	791925	B1	20011114
Application	EP	96115085		19960919
Priorities	JP	95244959		19950922

Claims:

of the program information recorded in the program area, a classification of the program information recorded in the program area, and a name of a producer; a code determining whether or not the letter information associated with each program information type recorded in the program area can be copied on another recording medium; a code identifying a conversion code format of the letter information associated with each program information type recorded in the program area; a code identifying... decoding; and display means (58) for displaying the decoded character information from the decoding means.

18. The system as claimed in claim 17, wherein management area of the disc-shaped recording medium is recorded with a plurality of identifiers for identifying the type of the character information, the plurality of identifiers including at least three of the.....of the program information recorded in the program area, a classification of the program information recorded in the program area, and a name of a producer; a code determining whether or not the character information associated with each program information type recorded in the program area can be copied on another recording medium; a code identifying a conversion code format of the character information associated with each program information type recorded in the program area; a code identifying.....of the program information recorded in the program area, a classification of the program information recorded in the program information associated with each program information whether or not the character information associated with each program information type recorded in the program area can be copied on another recording medium; a code identifying a conversion code format of the character information associated with each program information type recorded in the program area; a code identifying a conversion code format of the character information associated with each program information type recorded in the program area; a code identifying...

DIALOG(R) File 348: EUROPEAN PATENTS (c) 2011 European Patent Office. All rights reserved. 19/3K/22 (Item 22 from file: 348)

Compact disc player security system reproducing method and apparatus

Patent Assignee:

Sony Computer Entertainment Inc. (3064090)
 7-1-1 Akasaka, Minato-ku; Tokyo 107-0052 (JP)
 (Proprietor designated states: all)

Inventor:

- Kutaragi, Ken, c/ o Sony Corporation
 7-35, Kitashinagawa 6-chome; Shinagawa-ku, Tokyo; (JP)
- Hirano, Tetsuya, c/ o Sony Corporation
 7-35. Kitashinagawa 6-chome: Shinagawa-ku. Tokyo: (JP)

Legal Representative:

Muller, Frithjof E., Dipl.-Ing. et al (8661)
 Patentanwalte MULLER & HOFFMANN, Innere Wiener Strasse 17: 81667 Munchen; (DE)

	Country	Number	Kind	Date
Patent	EP	723216	A2	19960724 (Basic)
Patent	EP	723216	АЗ	19960904
Patent	EP	723216	B1	20010620
Application	EP	95118162		19951117
Priorities	JP	94285390		19941118

Specification:

ROM disc and security check method for the same. A security code is recorded in a predetermined code region in a sector of a boot sector in the innermost track of the CD ROM disc. The security code indicates that the CD ROM disc is duly licensed, namely by a television game machine producer. The security code further may contain a program to be executed after a checking operation of the security code. This document does not disclose a special modulation scheme...

19/3K/23 (Item 23 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT
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RECORDING MEDIUM, APPARATUS FOR FORMING THE RECORDING MEDIUM, AND APPARATUS AND METHOD FOR REPRODUCING THE RECORDING MEDIUM

Patent Applicant/ Patent Assignee:

LG ELECTRONICS INC

20, Yoldo-dong, Youngdungpo-gu, Seoul 150-010; KR; KR(Residence); KR(Nationality); (For all designated states except: US)

Patent Applicant/ Inventor:

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SUH Sang Woon

110-709, Hyundai Apt., 1346, Seocho 2-dong, Seocho-gu, Seoul 137-861; KR; KR(Residence); KR(Nationality); (Designated only for: US)

Legal Representative:

· PARK Lae Bong (agent)

1Fl., Dongun Bldg., 413-4, Dogok 2-dong, Kangnam-gu, Seoul 135-272; KR

	Country	Number	Kind	Date
Patent	WO	200475193	A1	20040902
Application	wo	2004KR338		20040219
Priorities	US	2003447706		20030219

Country	Number	Kind	Date
KR	1020030073800		20031022

Detailed Description:

etc. being included in outputted main 15 data. However, where the control data is not legal or there is no control data in the contents authoring code file, the CPCC generates and outputs control data containing a CPI flag fixed at 'CPI-Flag=I' and wrong CPI or no CPI. In particular......the generated CSI being included in the outputted control data and the others being included in the outputted main data, respectively. Fig. 10 is a block diagram showing the configuration of an optical disc device for reproducing the BD-ROM according to the second embodiment of the present invention while judging whether it is an illepally copied disc. As.

19/3K/25 (Item 25 from file: 349)
DIALOG(R) File 349: PCT FULLTEXT
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SYSTEM FOR MANAGING DISTRIBUTION OF DIGITAL AUDIO CONTENT

Patent Applicant/ Patent Assignee:

ONG CORP

481 Hackensack Avenue, Hackensack, NJ 07601; US; US(Residence); US(Nationality)

Inventor(s):

ONG Lance D

481 Hackensack Avenue, Hackensack, NJ 07601; US

Legal Representative:

CHONG Leighton K (agent)

Ostrager Chong & Flaherty (Hawaii), 841 Bishop Street, Suite 1200, Honolulu, HI 96813; US

	Country	Number	Kind	Date
Patent	WO	200388561	A1	20031023
Application	wo	2003US11027	[20030411
Priorities	US	2002372249		20020411

Detailed Description:

number of times on any compatible (vector-decoding-enabled) player having firmware enabling playback of the vector-encoded audio file, indicated at Block 11. A distributor 10 code may be used initially in place of a host-ID code, and is recognized by the player as permitting full playback of the audio file from the CD. However, when the vector-encoded audio file is copied ("ripped") from the CD, at Block 1 1 2, or down loaded from the Internet, at Block 1 1 3, to a host environment, such as a personal computer (PC) indicated.....audio file before playback, at Block 116. If the audio file has been loaded from a legitimately purchased CD, the WaveTrace player checks for the distributor's ID code, at Block 117. If the distributor's ID code is recognized, the WaveTrace player changes it to a host-ID code identifying the user as...

19/3K/26 (Item 26 from file: 349) DIALOG(R) File 349: PCT FULLTEXT (c) 2011 WIPO/Thomson. All rights reserved.

IMPROVEMENTS RELATING TO SECURITY IN DIGITAL DATA DISTRIBUTION

Patent Applicant/ Patent Assignee:

 CERBERUS CENTRAL LIMITED 2 Princes Street, London W1R 7RA; GB; --(Residence); --(Nationality); (For all designated states except; US)

Patent Applicant/ Inventor:

FARIA Richard
 Cerberus Central Limited, 2 Princes Street, London W1R 7RA; GB; GB(Residence); GB(Nationality); (Designated only for: US)

Legal Representative:

AHMAD Sheikh Shakeel(et al)(agent)
 David Keltie Associates, Fleet Place House, 2 Fleet Place, London EC4M 7ET; GB

	Country	Number	Kind	Date
Patent	WO	200379349	A2-A3	20030925
Application	wo	2003GB1085		20030314
Priorities	GB	20026034		20020314
	GB	200211134		20020515

Detailed Description:

CD formats can be found at the following web site. www.ee.washinizton.edu/conselec/CE/k-uhn/cdaudio2/95x7.htm. The audio on a CD is divided into a maximum of 99 tracks. Each track must be at least four seconds in length, and a pause of two seconds may be inserted between tracks. The audio may be... should be included to identify that track uniquely. The ISRC comprises 12 characters divided as shown in the table below.

Length (chars) Description

- 2 Country code
- 3 First owner (allocated by Phonographic Performance Ltd for audio)
- 2 Year of recording (the last two digits)
- 5 Designation code (...a table of contents (TOC). The TOC usually includes the timecode for each track (as minutes, seconds and sometimes frames) and is used to enable CD players to "know" where each track is on the CD. The TOC may also define the track type which, for some CD fonnats, can be audio or data. In addition to the main data channel (which may contain audio or other, data), there are eight subcode channels...

19/3K/27 (Item 27 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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METHOD AND DEVICE FOR DATA TRANSFER TO AND FROM A CD

Patent Applicant/ Patent Assignee:

DOC WITNESS LTD

8 Hamelacha Street, Rish Haayin 48091; IL; IL(Residence); IL(Nationality); (For all designated states except: US)

Patent Applicant/Inventor:

LOEWIDT Amos

8 Hamelacha Street, 48091 Rosh Haayin; IL; IL(Residence); IL(Nationality); (Designated only for: US)

Legal Representative:

FRIEDMAN Mark M (agent)

Beit Samueloff, 7 Haomanim Street, 67897 Tel Aviv; IL

	Country	Number	Kind	Date	
Patent	WO	200341067	A2-A3	2003051	
Application	wo	2002IL889		20021107	
Priorities	IL	146414		20011108	

Detailed Description:

as a musical CD-ROM, DVD or a soft-ware installation CD-ROM disc. Further pressing of the drive D display icon displays data from CD ROM area 160, and initiates an identification process. The computer ... ROM data uploaded into the CPU of the PC directs the PC back to card 100 to locate the necessary validation information can also be stored on both the card CD or DVD ROM recordable area 160 as well as chip 102 ROM and RAM and EPROM regions. However, chip 102 cannot be accessed through its electrical contacts of terminal 170... and EPROM areas is enabled through tile input/output region of optical data area 140. As a result Of Start-Lip operating instructions read from area 160, the computer CD or DVD drive reading lens beam is directed to read specific sector of tracks on card 100, which are in effect optical data area 140. Data emission...

19/3K/29 (Item 29 from file: 349) DIALOG(R) File 349: PCT FULLTEXT

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METHOD FOR STEGA-CIPHER PROTECTION OF COMPUTER CODE

Patent Applicant/ Patent Assignee:

. THE DICE COMPANY

Inventor(s):

- MOSKOWITZ Scott A
- COOPERMAN Marc

Country Number Kind Date		Country	Number	Kind	Date
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	Country	Number	Kind	Date
Patent	wo	9726732	A1	19970724
Application	WO	97US651		19970116
Priorities	US	96587943		19960117

Claims

the software which is accessing the watermarkwhere license information consists of one or moreof the following items: owning organization name: Personal Owner name; Owner Address; License code ; Software serialization number; Distribution parameters; Appropriate executable general computing device architecture: Pricinic: and Software Meterring details.

3 The method of claim 1 further comprising the.....via a transmission means, from a publisher to a subscriberwherein transmission means can selected from thegroup ofsoft sector magnetic disk media;magnetic tape media;optical disc media;Digital Video Disk media;magneto-optical disk media;memory cartridge;telephone lines;16SCSI;is Ethernet or Token Ring Network;ISDN;ATM network;TCP.

DIALOG(R) File 348: EUROPEAN PATENTS

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25/3K/4 (Item 4 from file: 348)

Method and terminal device for preventing unauthorized use of secured content files

Patent Assignee:

Nokia Corporation (2963881)
 Keilalahdentie 4; 02150 Espoo (FI)
 (Applicant designated States: all)

Inventor:

Rahnasto, Ilkka, J.
 Riekkopolku 3B; 01450 Vantaa; (FI)

Legal Representative:

Becker Kurig Straus (101571)
 Patentanwalte Bavariastrasse 7; 80336 Munchen; (DE)

	Country	Number	Kind	Date
Patent	EP	1890247	A2	20080220 (Basic)
Patent	EP	1890247	АЗ	20080917
Application	EP	2007020059		20010427
Priorities	US	561211		20000428

Specification:

the distributor code for a distributor authorized to distribute the content file and a key code that is formed as a combination of the identification code and the distributor code. The terminal device needs to have the key code that matches the identification code and the distributor code in order to properly receive and use the content file. The administrator may distribute several key codes each

representing a different content file or a... ...the terminal devices 40 and 60 may be constructed in a similar manner. The data 60 may be a locally-stored medium such as a CD-ROM, a magnetic diskette, a tape, etc. or the data may be accessed through a network such as the Internet or the data 60 may...

DIALOG(R) File 348: EUROPEAN PATENTS

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25/3K/5 (Item 5 from file: 348)

Reproducing apparatus and server system providing additional information therefor

Patent Assignee:

SAMSUNG ELECTRONICS CO., LTD. (1093728)
 416, Maetan-dong, Paldal-gu; Suwon-City, Kyungki-do (KR)
 (Applicant designated States: all)

Inventor:

· Chung, Hyun-kwon

104-906 Dongbo Apt. 45, Tanbeol-ri, Gwangju-eup; Gwangju-gun, Gyeonggi-do; (KR)

 Heo, Jung-Kwon, 203-504 Jugong 2-danji Apt. 18-1 Banpo 2-dong, Seocho-gu; Seoul; (KR)

Legal Representative:

Chugg, David John et al (78311)
 Appleyard Lees, 15 Clare Road; Halifax, West Yorkshire HX1 2HY; (GB)

	Country	Number	Kind	Date	
Patent	EP	1239376	A2	20020911	(Basic)
Patent	EP	1239376	А3	20050209	
Application	EP	2001305330		20010619	
Priorities	KR	201012444	-	20010310	

Specification:

present invention. One or more contents #1. #2, ..., and #N and an international standard recording code (ISRC) given to the contents are recorded in an optical disc 1, which is a recording medium according to the present embodiment. The ISRC code is an international standard code used for distinguishing music, songs, music videos and is given by the Recording Industry Association of America (RIAA). The ISRC code includes country code, copyright holder code, year of recording, and recording number. A reproduction apparatus 10 includes an identifier generator 11, a controller 12, a network connector 13, a reading unit....recorded in the storage medium 1. The identifier generated according to the present invention is the ISRC code. The ISRC code is read from the optical disc 1 by the reading unit 15 and is provided to the identifier generator 11. The network connector 13, which is a connection interface to be...

^{25/3}K/8 (Item 8 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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SYSTEM, METHOD AND APPARATUS FOR SECURELY PROVIDING CONTENT VIEWABLE ON A SECURE DEVICE

Patent Applicant/ Patent Assignee:

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900 Fourth Avenue, Suite 3400, Seattle, WA 98164; US; US(Residence); US(Nationality); (For all designated states except; US)

Patent Applicant/ Inventor:

MORTEN Glenn A

6035 173rd Avenue S.E., Bellevue, WA 98006; US; US(Residence); US(Nationality); (Designated only for: US)

Legal Representative:

BRANCH John W(et al)(agent) Darby & Darby P.C., P.O. Box 5257, New York, NY 10150-5257; US

	Country	Number	Kind	Date
Patent	WO	200484035	A2-A3	20040930
Application	WO	2004US8202		20040316
Priorities	US	2003455723		20030318
	US	2004760642		20040120

Detailed Description:

variety of content - media II 2, including, but not limited to a DVD, high definition DVD, Video Compact Disc (VCD). Super Audio CD (SACD), and the like. For example, secure content may be copied and distributed on a Dynamic Digital Sound (DDS) content media. Moreover, distributor 106 may also copy and distribute secure content on a Read/Write DVD, CD-Recordable (CD-R), and substantially similar content media. Distributor 106 is not limited to copying and distributing secure content --WO 2004/08403 PCT/US2004/008202 on DVD and CD content media technology may be employed without departing from the scope of the present invention. Distributor 106 may receive one or more screener keys associated with the one or more key packages. Distributor 106 may also receive authorization information from a variety of trusted sources that indicate whether a user has authorization to access the secure content. Provided.

25/3K/15 (Item 15 from file: 349) DIALOG(R) File 349: PCT FULLTEXT

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METHOD AND APPARATUS FOR SECURE IDENTIFICATION FOR NETWORKED ENVIRONMENTS

Patent Applicant/ Patent Assignee:

CK GLOBALINC

14211 Livingston, Tustin, CA 92780; US; US(Residence); US(Nationality); (For all designated states except: US)

Patent Applicant/ Inventor:

AARONS Michael Thomas

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Legal Representative:

ALTMAN Daniel E (agent)

Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, 16th Floor, Newport Beach, CA 92660; US

	Country	Number	Kind	Date
Patent	wo	200212983	A2-A3	20020214
Application	wo	2001US41573		20010806
Priorities	US	2000223204		20000804

Detailed Description:

this manner, the data is kept secure in the event that the invention is lost or stolen. Although the data can be read in any CD ROM recorder, encryption keeps the data from being used in a fraudulent manner.

[0019] Prior art, such as credit cards, make use of the **owner**'s cursive **signature** to be used in **comparison** to signify proper- and legal-use. This invention, - in one of its forms, allows the owner's cursive signature to be digitally scanned and stored.

25/3K/16 (Item 16 from file: 349)
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METHOD AND TERMINAL DEVICE FOR PREVENTING UNAUTHORIZED USE OF SECURED CONTENT FILES

Patent Applicant/ Patent Assignee:

NOKIA CORPORATION

Keilalahdentie 4, FIN-02150 Espoo; FI; FI(Residence); FI(Nationality)

NOKIAINC

6000 Connection Drive, Irving, TX 75039; US; US(Residence); US(Nationality); (Designated only for: LC)

Inventor(s):

RAHNASTO I ikka J

Riekkopolku 3B, FIN-01450 Vantaa; FI

Legal Representative:

STOUT Donald E(et al)(agent)

Antonelli, Terry. Stout & Kraus, LLP, Suite 1800, 1300 N. Seventeenth Street, Arlington, VA 22209; US

	Country	Number	Kind	Date
Patent	wo	200184282	A2-A3	20011108
Application	WO	2001IB702		20010427
Priorities	US	2000561211		20000428

Detailed Description:

the distributor code for a distributor authorized to distribute the content file and a key code that is formed as a combination of the identification code and the distributor code. The terminal device needs to have the key code that matches the identification code and the distributor code in order to properly receive and use the content file. The administrator may distribute several key codes each representing a different content file or a.....the terminal devices 40 and 60 may be constructed in a similar manner. The data 60 may be a locally-stored medium such as a CD-ROM, a magnetic diskette, a tape, etc. or the data may be accessed through a network such as the Internet or the data 60 may...

NPL Search Results

23/5/2 (Item 2 from file: 8)
DIALOG(R)File 8: El Compendex(R)
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Collaborative coding and decoding techniques for multiple access channel Ali. F.: Honary, B.

Corresp. Author/ Affil: Ali, F.: Lancaster Univ, Lancaster, United Kingdom IEE Proceedings: Communications (IEE Proc Commun) 1994 141/2 (56-62)

Publication Date: 19940101

Item Identifier (DOI): 10.1049/ip-com:19941043

Document Type: Article: Journal Record Type: Abstract

Language: English Summary Language: English

Number of References: 22

It is highly desirable to use simple and effective multiple access coding and decoding techniques which are capable of multiple access function and error control. The collaborative coding multiple access (CCMA) techniques potentially permit efficient simultaneous transmission by several users sharing a common channel, without subdivision in time, frequency or orthogonal codes. The authors investigate the performance of uniquely decodable CCMA schemes employing hard decision and maximum likelihood decoding techniques. A low complexity maximum likelihood decoding technique is presented. The reliability performance of various coding schemes employing these decoding techniques are carried out in the presence of AWGN conditions. The simulation results are presented in the form of symbol and codeword error rates as a function of signal to noise ratios. It is shown that uniquely decodable CCMA schemes permit the multiple access function to be combined with that of forward error correction.

23/5/5 (Item 5 from file: 8)
DIALOG(R) File 8: Ei Compendex(R)
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CROSS PARITY CHECK CONVOLUTION CODES FOR MAGNETIC TAPE.

Fuja, Tom; Heegard, Chris; Blaum, Mario

Corresp. Author/ Affil: Fuja, Tom: Cornell Univ, Ithaca, NY, USA, Cornell Univ, Ithaca, NY, USA Conference Title: 1986 IEEE International Symposium on Information Theory (ISIT).

Conference Location: Ann Arbor, MI, USA

Sponsor: IEEE, Information Theory Group, New York, NY, USA

E.I. Conference No.: 9610 1986, IEEE 86CH2374-7 (42-43)

Publication Date: 19861201 Publisher: IEEE

Document Type: Conference Paper; Conference Proceeding Record Type: Abstract Language: English Summary Language: English

Summary form only given. The authors define and analyze cross parity check (CPC) convolutional codes, a class of error-control codes with both interesting theoretical properties and practical implementation advantages. CPC codes evolved from ideas used in an error-control scheme implemented on the IBM 3480 tape subsystem. The authors begin by placing both the 3840 code and its variation in a firm convolutional code context; specifically, they construct parity check matrices and describe systematic generators for these codes. They use the insight gained to define the class of CPC codes and to construct cannotical parity check and generator matrices. They then prove that CPC codes are, in fact, maximum distance separable (MDS) convolution codes. The authors demonstrate how CPC encoding decoding delay can be shortened by "folding" the parity check lines by dividing each term in the parity check matrix by some fixed polynomial, keeping only the remainder. In particular, they give a class of polynomials that, when used in this way, produce a code that is not only still MDS, but also retains much of its geometrical regularity.

23/5/8 (Item 1 from file: 2) DIALOG(R) File 2: INSPEC

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A weakness in smart card PKI certification

Author(s): Young, A.

Book Title: IEEE Systems, Man and Cybernetics Society Information Assurance Workshop (IEEE Cat.

No.03EX676)

Inclusive Page Numbers: 30-4 Publisher: IEEE, Piscataway, NJ Country of Publication: USA

Publication Date: 2003

Conference Title: IEEE Systems, Man and Cybernetics Society Information Assurance Workshop Conference Date: 18-20 June 2003

Conference Location: West Point, NY, USA

Number of Pages: 307

Language: English

Document Type: Conference Paper (PA)

Smartcards are becoming an integral part of public key infrastructures since they are separate computing devices that can store and utilize private keys without ever revealing them. Since the private keys are generated, stored, and used onboard to sign/decrypt data, smartcards are ideal when in the hands of a trusted private key owner. But, it is well known that nonreputability is only achieved when the private key owner does not expose his or her own private signing key. This implies that a very strong threat model exists in smartcard security; the user is not trusted to keep his or her own private key secret. It is a point in fact that corporations worldwide are concerned with this very problem and are making efforts to ensure that their employees cannot disclose their own signing private keys. An employee that could do so could later repudiate signatures on purchase orders, sales, and other legally binding transactions. A weakness in smart card PKI certification is shown that allows users to spoof the key generation processes on their smartcards and in effect grant them access to the bits of their private keys. A simple countermeasure is given that thwarts the possibility of this attack. (11 refs.)

23/5/13 (Item 6 from file: 2) DIALOG(R) File 2: INSPEC

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VLSI array synthesis for polynomial GCD computation

Author(s): Jeong, Y.1: Burleson, W.1

Affiliation(s):

Dept. of Electr. & Comput. Eng., Massachusetts Univ., Amherst, MA, USA

Book Title: Proceedings, International Conference on Application-Specific Array Processors (Cat.

No.93TH0572-8)

Inclusive Page Numbers: 536-47

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA

Country of Publication: USA

Publication Date: 1993

Conference Title: Proceedings of International Conference on Application Specific Array Processors

(ASAP '93)

Conference Date: 25-27 Oct. 1993 Conference Location: Venice, Italy Conference Sponsor: Euromico Editor(s): Dadda, L. Wah, B.

Item Identifier (DOI): 10.1109/ASAP.1993.397173

Number of Pages: xii+594

Language: English

Document Type: Conference Paper (PA)

Polynomial GCD (greatest common divisor) finding is an important problem in algebraic computation, especially in decoding error correcting codes. The authors show a new systolic array structure for the polynomial GCD problem using a systematic array synthesis technique. The VLSI implementation of the array structure is area-efficient and achieves maximum throughput with pipelining. The dependency graph (DG) of the Euclid GCD algorithm is drawn using iterated polynomial division. The resulting DG is data-dependent and variable-sized. The authors consider the worst-case implementation to make the DG data-dependent and fixed-size, where data-dependences are hidden inside by introducing four different working modes in each DG node. This novel approach requires just a few additional multiplexors and can be generalized for other data-dependent and variable-sized computation. The authors then map the DG to a one-dimensional systolic array using a linear mapping. The new array structure has mo + no + 1 processing elements, where mo and no are degrees of two polynomials. It can find a GCD of any two polynomials of total degree less than or equal to mo + no. The block pipeline period is one, which means that it can start a new GCD computation immediately in the next cycle. Unlike the array of Brent and Kung, a pre-processing step for extracting a common factor X' is not necessary and the size of the processing element (PE) does not depend on mo and no. The authors extend this new array structure to the extended polynomial GCD algorithm, which is closely related to the decoding of BCH and Reed-Solomon codes. To verify the structure, they have used the VERILOG simulator, and implemented a 2 mu CMOS test chip. (13 refs.)

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23/5/15 (Item 8 from file: 2)
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Improved decoding algorithm on Reed-Solomon codes using division method Author(s): Je Hong Jeong 1 ; Jin Soo Park

Affiliation(s):

1 Dept. of Comput. Sci., Keonyang Univ., South Korea

Journal: Journal of the Korean Institute of Telematics and Electronics, vol.30A, no.11, pp.21-8
Country of Publication: South Korea

Publication Date: Nov. 1993

Language: Korean

Document Type: Journal Paper (JP)

Decoding algorithm of noncyclic Read-Solomon codes consists of four steps which are to compute syndromes, to find error-location polynomial, to decide error-location, and to solve error-values. There is a decoding method by which the computation of both error-location polynomial and error-polynomial can be avoided in conventional decoding methods using Euclid algorithm. The disadvantage of this method is that the same amount of computation is needed that is equivalent to solve the avoided polynomial. This paper considers the division method on polynomial on GF(2^m) systematically. And proposes a novel method to find error correcting polynomial by simple mathematical expression without the same amount of computation to find the two avoided polynomials. Especially, the authors propose the method by which the amount of computation to find F (x) from the division M(x) by x. (x-1), . . . (x alpha") respectively can be avoided. By applying the simple expression to decoding procedure on RS codes, the authors propose a new decoding alcorithm, and to show the validity of present method, computer simulation is performed. (11 refs.)

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23/5/23 (Item 16 from file: 2)
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Probability decoding of majority codes matched with APM signals Author(s): Ankudinov, D.R.; Portnoy, S.L.

Journal: Elektrosvyaz, pp.13-17 Country of Publication: USSR

Translation Journal: Telecommunications and Radio Engineering, Part 1 (Telecommunications),

vol.44, no.8, pp.1-6

Publication Date of Translation Journal: Aug. 1989 Country of Publication of Translation Journal: USA CODEN of Translation Journal: TCREAG Language: English Document Type: Journal Paper Translation Abstracted (JP)

The problem of increasing the efficiency of utilizing the frequency and power resources of information transmission systems is of great importance. One method for solving this problem is the matching of correcting codes with multiposition signals, achieved through the use of generalized cascade codes (GCC), whose internal codes form a system of embedded signal ensembles while the external codes are correcting codes. The authors discuss the coding and decoding of GCC and use the partial case of information transmission over a channel without memory, with additive white Gaussian noise of zero mean and variance, as an example. The method of 'soft' decoding of majority codes which have been matched with APM (amplitude-phase modulation) signals, and the method for calculating the empirical probabilities described, make it possible to synthesize GCC codecs with the described structure. Their use makes it possible to increase the power gain as a result of coding. (4 refs.)

23/5/25 (Item 18 from file: 2) DIALOG(R) File 2: INSPEC (c) 2011 The IET, All rights reserved.

Low cost security solutions for personal computers

Author(s): Schultz, J.B.

Journal: Signal, vol.44, no.3, pp.71-4

Country of Publication: USA Publication Date: Nov. 1989

Language: English

Document Type: Journal Paper (JP)

Personal computer security advances in hardware and software systems are emerging in a host of new products in the commercial marketplace with applications to the Department of Defence and other government agencies. Designed for office and limited tactical applications, several of these off-the-shelf hardware and software devices commercially available cost less than \$300. Security features in some of these combination hardware/software or systware only systems include the following: (i) automatic encryption/decryption of file directories; (ii) owner identification codes and passwords; (iii) secure transmission over modems; (iv) flexible security hierarchy. (5 refs.)

23/5/30 (Item 23 from file: 2) DIALOG(R) File 2: INSPEC

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Video recorder programming with VPV

Journal: Funk-Technik, vol.41, no.6, pp.249-51 Country of Publication: West Germany

Publication Date: June 1986

Language: German

Document Type: Journal Paper (JP)

A simple procedure for the home programming of a novel video recorder using videotext to accept TV transmissions according to the VPS system, now widely employed by the two German networks (ARD, ZDF), is described in general terms. The recorder is the VPV model (acronym for videotext-programmed video-recorder), from the Thomson (old SABA) plant in Villengen. An additional bonus is the ability to display videotext pages via this recorder on any TV receiver, i.e. not having a videotext decoder. The author presents hexadecimal code words and equivalent screen symbols of the 7 controls and reproduce examples of a stored VPS program and selections from daily programs. (0 refs.)

23/5/32 (Item 25 from file: 2) DIALOG(R) File 2: INSPEC (c) 2011 The IET. All rights reserved.

An integrated approach to CD players, II. The decoding electronics

Author(s): Nijhof, J.

Journal: Electronic Components & Applications , vol.6 , no.4 , pp.216-22

Country of Publication: Netherlands

Publication Date: 1984

Language: English

Document Type: Journal Paper (JP)

For pt. | see ibid., vol.6, no.4, p.209-15 (1984). Until now, no compact disc (CD) player has made full use of the error-correcting capability of the CD system's cross-interleaved Reed-Solomon code (CIRC). The author describes a decoder that can make the maximum four erasure corrections of this code. For errors that cannot be corrected by the CIRC, the decoder performs a basic interpolation. For full-performance players, a circuit that has an 8-sample interpolator and a new FIR digital filter with four times over sampling is available. In combination with a low-order analog filter, this digital filter produces no detectable sound coloration of the audio. (3 refs.)

23/5/36 (Item 29 from file: 2)

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Exponentiation modulo a polynomial for data security

Author(s): Kak, S.C.1

Affiliation(s):

Dept. of Electrical & Computer Engng., Louisiana State Univ., Baton Rouge, LA, USA

Journal: International Journal of Computer & Information Sciences, vol.12, no.5, pp.337-46 Country of Publication: USA

Publication Date: Oct. 1983

Language: English

Document Type: Journal Paper (JP)

This paper describes some properties of exponential modulo a polynomial and suggests its use for encryption in a mode that can be cryptoanalysed in approximately $O(pd^3)$ time, where d is the size of the message frame and p is the prime modulo which the rankwise computations are carried out. While for sufficiently large pd(~105) this appears to provide a one-way function which can be used in a public-key cryptosystem, the author shows that since encryption/decryption effort is defined in $O(d^2)$ log pd log log p) time, a practical application of the proposed algorithm would be either in a secret key or in a tamper-proof, hardwired secret polynomial system. (8 refs.)

23/5/56 (Item 2 from file: 99)

DIALOG(R) File 99: Wilson Appl. Sci & Tech Abs

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A modified learning rule of the neural network for error correcting decoding

Augmented Title: discussion of A neural network for error correcting decoding of binary linear codes by Anna Esposito, Salvatore Rampone and Roberto Tagliaferri

Lifang Li; Zhigang Cao

Neural Networks v. 10 (Mar. '97) p. 387-8

Document Type: Feature Article ISSN: 0893-6080 Language: English Record Status: Corrected or revised record

In a discussion of the 1994 article by Esposito et al. describing a neural network for error correcting decoding of binary linear codes, the writers propose a modified learning rule for the neural network described. Using the new training and tuning method, it is proved that the network can be extended for all binary linear codes and complementary codes regardless of their maximum Hamming weights.

23/5/63 (Item 2 from file: 60)

DIALOG(R) File 60: ANTE: Abstracts in New Tech & Engineer

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Method and apparatus for enhancing software security and distributing software Chang, Sheue-Ling; Gosling, James, USA

Publisher Url: http://patft.uspto.gov/netacgi/nph-Parser?Sect1= PTO2&Sect2= HITOFF&u = / netant ml/PTO/search-adv.htm&r= 1&p= 1&f= G&l= 50&d= PTXT&S1= 57 24425.PN.&OS= pn/5724425& RS= PN/5724425

Document Type: Patent Record Type: Abstract

Language: English

Source code to be protected, a software application writer's private key, along with an application writer's license provided to the first computer. The application writer's license includes identifying information such as the application writer's name as well as the application writer's public key. A compiler program executed by the first computer compiles the source code into binary code, and computes a message digest for the binary code. The first computer then encrypts the message digest using the application writer's private key, such that the encrypted message digest is defined as a digital 'signature' of the application writer. A software passport is then generated which includes the application writer's digital signature, the application writer's license and the binary code. The software passport is then distributed to a user using any number of software distribution models known in the industry. A user, upon receipt of the software passport, loads the passport into a computer which determines whether the software passport includes the application writer's license and digital signature. In the event that the software passport does not include the application writer's license, or the application writer's digital signature, then the user's computer system discards the software passport and does not execute the binary code. As an additional security step, the user's computer computes a second message digest for the software passport and compares it to the first message digest, such that if the first and second message digests are not equal, the software passport is also rejected by the user's computer and the code is not executed. If the first and second message digests are equal, the user's computer extracts the application writer's public key from the application writer's license for verification. The application writer's digital signature is decrypted using the application writer's public key. The user's computer then compares a message digest of the binary code to be executed, with the decrypted application writer's digital signature, such that if they are equal, the user's computer executes the binary code.

23/5/64 (Item 3 from file: 60)
DIALOG(R)File 60: ANTE: Abstracts in New Tech & Engineer
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Authoring system, authoring key generator, authoring device, authoring method, and data supply device, information terminal and information distribution method Yamanaka, Yasuhiro; Yoshitomi, Kazunori; Hisamatsu, Fumiaki; Yoshino, Kenji; Ueno, Shiniohi , USA Publisher Url: http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netaht mil/PTO/Search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=73 28458. PN.8.OS=pn/73284588
RS=PN/73284588

Document Type: Patent Record Type: Abstract Language: English

An authoring system authors content data for distribution through an information terminal by encryption for copyright protection. The system includes an authoring device and an authoring key generator. The generator generates a content identifier uniquely allocated to each of the content data, an authoring key enabling key uniquely allocated to the authoring device, and an authoring key obtained by encrypting a content key for encrypting the content data and a second content key using the CID and the CEK. The second content key is formed by encrypting the content key using a root key. The authoring device has a unit which decrypts the content key and the second content key using the CID and the CEK, and a unit which encrypts the content data using the decrypted content key to generate authored encrypted content data.

DIALOG(R)File 8: El Compendex(R)
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Approaches to biometric watermarks for owner authentification
Vielhauer, C.; Steinmetz, R.

Approaches to biometric watermarks for owner authentification Vielhauer, C.; Stelimetz, R. Corresp. Author/ Affil: Vielhauer, C.; 1-Platanista GmbH, Darmstadt, 64289, Germany Editor(s); Wong, P.W.; Delp, E.J. Editor(s) Affil: Apalo.com Ltd., Hong Kong, China Conference Title: Security and Watermarking of Multimedia Contents III

Conference Location: San Jose, CA United States Conference Date: 20010122-20010125 Sponsor: IS and T: SPIE

E.I. Conference No.: 58754 Proceedings of SPIE - The International Society for Optical Engineering (Proc SPIE Int Soc Opt Eng.) (United States.) 2001 4314/- (209-219)

Publication Date: 20011113 Publisher: SPIE

28/5/1 (Item 1 from file; 8)

Item Identifier (DOI): 10.1117/12.435401

Document Type: Conference Paper; Conference Proceeding Record Type: Abstract

Language: English Summary Language: English

Number of References: 15

One major application domain for digital watermarks is copyright protection. Besides the design of watermarking algorithms, technologies for copyright holder identification have to be investigated. To ensure authenticity of an individual person, a wide number of biometric procedures exist. We define and describe new biometric watermarks, which denote the application of biometric reference data of individuals within digital watermarks to identify and verify ownership. Amongst the two classes of physiological and senso-motoric biometric schemes, the later appears more appropriate for biometric watermarks, as only these provide implicit expressions of intention. As such, we choose on-line handwriting as an appropriate base technology for our three new scenarios in biometric watermarking. In the first approach, embedding keys are being generated from biometric reference data, which requires stable and robust features and leads to rather complex keys. To overcome the complexity boundaries, the second approach develops a biometric reference hash, allowing key look-ups in key certifying servers. Although this proceeding leads to less complex keys, it still requires stable features. The third approach describes the embedding of biometric reference data within a watermark, allowing owner verification by more variant features, but limitations apply due to capacity of watermarking systems and also protection of the reference data is required. While most handwriting-based verification systems are limited to signature contexts, we discuss two additional context types for user authentication; passphrases and sketches.

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An introduction to servo pneumatic positioning: an interactive multimedia program development supporting outcome-driven engineering assessment

Author(s): Ranky, P.G.; Ranky, M.F.; Flaherty, M.; Sands, S.; Stratful, S. Journal: European Journal of Engineering Education, vol.23, no.3, pp.339-52

Publisher: Carfax

Country of Publication: UK Publication Date: Sept. 1998 Language: English

Language: English

Document Type: Journal Paper (JP)

Servo pneumatics retain the advantages of standard pneumatics and add the opportunity for closedloop controlled, programmable positioning to within fractions of a millimeter in systems in which positions can be approached rapidly and without overshoot, stability under variable loads and conditions, and adaptive control for optimized positioning. The authors' challenge was to create an interactive multimedia program that could communicate exciting technical material to interested parties, including students and academia, professional design, industrial and manufacturing systems engineers, marketing and sales engineers and managers in a nonlinear, enjoyable fashion. Their approach was that of interactive multimedia on CD-ROM, allowing the integration of text, color images, videos and animation for the purpose of following an engineering problem-solving approach both when modeling, as well as when illustrating real-world solutions with interactive digital videos. Furthermore, this article introduces outcome-driven assessment principles (as defined by the American Accreditation Board of Engineering Education) as the key to the authors' educational multimedia design objectives. It illustrates open-loop controlled pneumatic and closed-loop controlled servo pneumatic positioning systems, their components, their programming and some of their applications. (21 refs.)

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28/5/3 (Item 2 from file: 2)
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Today's best CD-ROM books
Author(s): Resse, J.¹
Affillation(s):

¹ Educ. Libr., Vanderbilt Univ., Nashville, TN, USA
Journal: CD-ROM Professional, vol.7, no.1, pp.119-21
Country of Publication: USA
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The literature of CD-ROM has exploded in the last several years. As CD-ROM technology demonstrates its staying power and continued growth, publishers have turned out more sources for interested users. The author provides some key books, both directories and other resources, to keep in mind whether you need to purchase CD-ROM products or just learn more about what's going on in the world of CD-ROM. (0 refs.)

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28/5/4 (Item 3 from file: 2)
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Performance of modulation codes in various optical recording media
Author(s): van Uijen, C.M.J.; Spruit, J.H.M.
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Affiliation(s):

1 Philips Res. Labs., Eindhoven, Netherlands
Journal: Japanese Journal of Applied Physics, Part 1 (Regular Papers & Short Notes), vol.31, no.2B

, pp.670-9
Country of Publication: Japan
Publication Date: Feb. 1992
Language: English
Document Type: Journal Paper (JP)

Publication Date: Jan. 1994 Language: English Document Type: Journal Paper (JP)

The performance of modulation codes has been measured in ablative and magneto-optic recording media as well as in mastered direct discs. The modulation codes studied include NRZ (i.e. the uncoded bit stream), runlength limited sequences, multi-level recording schemes, and differentially detectable codes. The authors also studied the performance of codes when the optical channel is equalised, particularly the case of partial response detection of NRZ. The general conclusions are that: (1) differentially detectable codes require the full penalty in data density caused by the loss in code rate. (2) multi-level recording does not offer significant advantages, and step-constrained multi-level codes perform worse than their unconstrained ocunterparts, (3) runlength limited sequences are useful codes to enhance the density while offering additional practical advantages, and (4) partial response detection of uncoded bit streams transmitted through an equalised optical recording channel achieves the highest density. (12 refs.)

28/5/5 (Item 4 from file: 2) DIALOG(R)File 2: INSPEC

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A watermarking technique robust to spatial scaling for moving picture application Author(s): Min-Suk Hong¹; Tae-Yun Chung¹; Kang-Seo park; Sang-Hui Park

Affiliation(s):

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Journal: Journal of Electrical Engineering and Information Science, vol.5, no.3, pp.209-17

Publisher: Korean Inst. Electr. Eng. Country of Publication: Taiwan Publication Date: June 2000

Language: English

Document Type: Journal Paper (JP)

The digital watermarking has been proposed to protect copyright by embedding an invisible signal. We present a private/public key watermarking technique robust to spatial scaling. The private key is used to identify the copyright owner of digital video data, while the public key is used to embed copy control data. The proposed algorithm uses a synchronization code to accomplish the robustness to spatial scaling such as aspect ratio conversion and resampling for a spatial scalability hierarchy. We performed MPEG2 video compression for test sequences to evaluate the degradation of image quality caused by watermark insertion. In order to evaluate the geometrical robustness, we have performed 16:9 or 4:3 aspect ratio conversion for test sequences. We obtained watermarked frames that have no perceptual difference from the original frame and the geometrically robust watermark algorithm. (10 refs.)

28/5/6 (Item 1 from file: 60)
DIALOG(R)File 60: ANTE: Abstracts in New Tech & Engineer
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Authoring system, authoring key generator, authoring device, authoring method, and data supply device, information terminal and information distribution method Yamanaka, Yasuhiro; Yoshitomi, Kazunori; Hisamatsu, Fumiaki; Yoshino, Kenji; Ueno, Shiniohi , USA Publisher Url: http://patft.uspto.gov/netacgi/nph-Parser?Sect1= PTO2&Sect2= HITOFF&u =/netaht mi/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=73 28458. PN.&OS=pn/7328458

Document Type: Patent Record Type: Abstract Language: English

An authoring system authors content data for distribution through an information terminal by encryption for copyright protection. The system includes an authoring device and an authoring key generator. The generator generates a content identifier uniquely allocated to each of the content data, an authoring key enabling key uniquely allocated to the authoring device, and an authoring key obtained by encrypting a content key for encrypting the content data and a second content key using the CID and the CEK. The second content key is formed by encrypting the content key using too tkey. The authoring device has a unit which decrypts the content key and the second content key using the CID and the CEK, and a unit which encrypts the content key and the second content key using the CID and the CEK, and a unit which encrypts the content key using the decrypted content key to generate authored encrypted content data.